RECORD OF EVENTS

School of Historical Studies

September 22
Medieval Seminar ✦ *First Term Introductions* ✦ **Patrick J. Geary**, Professor, School of Historical Studies

September 24
Historical Studies Public Event ✦ *Reading from "Wall-Flower"* ✦ **Rita Kuczynski**, German Novelist and Author

September 29
Medieval Seminar ✦ *Heito of Reichenau—"Visio Wettini"* ✦ **Albrecht Diem**, Syracuse University; Member, School of Historical Studies

October 1
Historical Studies Lunchtime Colloquia ✦ *First Term Introductions* ✦ **Jonathan Israel**, Andrew W. Mellon Professor, School of Historical Studies

October 5
East Asian Studies Seminar ✦ *The Court of Qubilai Qa'an: A Perso-Mongol Perspective* ✦ **Hodong Kim**, Seoul National University; Member, School of Historical Studies

October 6
Medieval Seminar ✦ *With Practice, Skill, and Cunning: Hunting, Culture, and Identity in the Frankish World, 315–987* ✦ **Eric Goldberg**, Massachusetts Institute of Technology; Member, School of Historical Studies

October 8
Historical Studies Lunchtime Colloquia ✦ *Whose Emotions? The Perception of Music as Autobiography* ✦ **Mark Evan Bonds**, The University of North Carolina at Chapel Hill; Member, School of Historical Studies

October 13
Medieval Seminar ✦ *Mary's Mountain: The Transformations of the Capitol in the Middle Ages, 500–1143* ✦ **Jason Moralee**, University of Massachusetts; Member, School of Historical Studies

October 15
Historical Studies Lunchtime Colloquia ✦ *Liberated Africans in the Indian Ocean World* ✦ **Matthew Hopper**, California Polytechnic State University, San Luis Obispo; Member, School of Historical Studies

October 19
East Asian Studies Seminar ✦ *On the Transnational Destruction of Cities: What Japan and the United States Learned from the Bombing of Britain and Germany in World War II* ✦ **Sheldon Garon**, Princeton University

October 21
Early Modern Europe Seminar ✦ *Appetite, Moral Order, and the Nature of Things: Hamlet and Hunting* ✦ **Rhodri Lewis**, University of Oxford; Member, School of Historical Studies

Islamicist Seminar ✦ *The Transmission of an Idea, the Genealogy of Its Sentence: The "World of Image" ('ālam al-mithāl) from the Twelfth Century up until Today* ✦ **Eric (L.W.C.) van Lit**, Yale University

October 22
Historical Studies Lunchtime Colloquia ✦ *Ancient Rome: The First Modern Economy* ✦ **Willem Jongman**, University of Groningen; Member, School of Historical Studies

October 26
East Asian Studies Seminar ✦ *Atatürk through Chinese Eyes* ✦ **Giray Fidan**, Princeton University

October 27
Ancient Studies Seminar ✦ *When Darkness Falls in the Roman Empire: Historical Aspects of the Night in the Imperial Period* ✦ **Angelos Chaniotis**, Professor, School of Historical Studies

Medieval Seminar ✦ *Reconstructing Noble Family Archives, Remaking Family Histories (Medieval and Early Modern Portugal): Recovered Voices, Newfound Questions* ✦ **Maria de Lurdes Rosa**, Universidade Nova de Lisboa; Member, School of Historical Studies

October 28
Islamicist Seminar ✦ *Studying the Transmission and Development of Ibn al-Nafīs's Physiology in the Mamluk-Era Commentaries on the Qānūn and the Mūjiz* ✦ **Nahyan Fancy**, DePauw University; Member, School of Historical Studies

October 29
Historical Studies Lunchtime Colloquia ✦ *In Ibn al-Nafīs's Shadow: Arabic Medical Commentaries during the Mamluk Period, 1260–1516* ✦ **Nahyan Fancy**, Depauw University; Member, School of Historical Studies

November 2
East Asian Studies Seminar ✦ *Thinking about Wars of Necessity and Wars of Choice: The Song Wars with the Tangut Xi Xia, ca. 1038–85* ✦ **Paul Smith**, Haverford College; Member, School of Historical Studies

November 3
Medieval Seminar ✦ *Tracing the Lineaments of a Lost Book* ✦ **Courtney Booker**, The University of British Columbia; Member, School of Historical Studies

November 5
Historical Studies Lunchtime Colloquia ✦ *For a Thousand Li There Were No Cooking Fires: Framing Devastation in the Ming-Qing Transition* ✦ **Kenneth Swope**, University of Southern Mississippi; Member, School of Historical Studies

November 10
Ancient Studies Seminar ✦ *Connoisseurs, Amateurs, Poseurs, and Other People Interested in Ancient Realia in Roman Anatolia* ✦ **Felipe Rojas**, Brown University; Member, School of Historical Studies

Medieval Seminar ✦ *Signs of Power: Astrology, Cosmology, and Philosophy in Late Medieval Prague* ✦ **Eric Ramírez-Weaver**, University of Virginia; Member, School of Historical Studies

November 12
Historical Studies Lunchtime Colloquia ✦ *Transformations of the Image in the Age of the Mass Media* ✦ **Jeffrey Barash**, Université de Picardie Jules Verne, Amiens; Member, School of Historical Studies

November 16
East Asian Studies Seminar ✦ *A Shang Village and What It Suggests about the Shang Economy* ✦ **Rod Campbell**, Institute for the Study of the Ancient World, New York University

November 17
Ancient Studies Seminar ✦ *"Templum caelesti iudicio saepe damnatum": The Exemplarity of the Capitolium's Cycle of Destructions in Late Antiquity* ✦ **Jason Moralee**, University of Massachusetts; Member, School of Historical Studies

Law and Colonialism Sub-group ✦ *"In the Colonies, Black Lives Don't Count": Official Anticommunism, Extraparliamentary Legislation, and Judicial Irregularity in Interwar Overseas France* ✦ **Meredith Terretta**, University of Ottawa; Member, School of Historical Studies

Medieval Seminar ✦ *Inscribed in the Book of Life: Transformation and Transmission of Citizenship in Merovingian Liturgical Sources* ✦ **Els Rose**, Utrecht University; Member, School of Historical Studies

November 18
Early Modern Europe Seminar ✦ *Insect Artifice: The Metamorphosis of Nature during the Dutch Revolt* ✦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

Islamicist Seminar ✦ *Shar'ification and Russification: How did Muslims Divide Their Inheritance in Imperial Russia?* ✦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

November 19
Historical Studies Lunchtime Colloquia ✦ *From Athens to Rome and from Alexandria to Baghdad: A Comparison between Two Cultural Transfers* ✦ **Carlo Scardino**, Heinrich-Heine-Universität Düsseldorf; Member, School of Historical Studies

November 24
Noble Houses and Their Archives Workshop ✦ *Opening Remarks* ✦ **Patrick J. Geary**, Professor, School of Historical Studies, and **Maria de Lurdes Rosa**, Universidade Nova de Lisboa; Member, School of Historical Studies ✦ *Archives and History: Implications of a Conceptual Divide* ✦ **Francis X. Blouin**, University of Michigan ✦ *Archives in the Historiography of Institutional Culture: Sites, Evidence, and the Need for Comparison* ✦ **Randolph C. Head**, University of California, Riverside ✦ *Historians, Archives, Sources: Old Questions, New Answers?* ✦ **Joseph Morsel**, Université Paris 1 Panthéon-Sorbonne ✦ *Noble Houses and Their Archives, Portugal, Fifteenth to Nineteenth Centuries: New Data, New Questions* ✦ **Maria de Lurdes Rosa**, Universidade Nova de Lisboa; Member, School of Historical Studies ✦ *Noble Households, the City, and Courtly Life in Late Medieval Portugal* ✦ **Rita Costa-Gomes**, Towson University ✦ *Social Status, Patrimony, and Order: Recent Studies on Nobel Households in Early Modern Portugal and Spain* ✦ **Pedro Cardim**, Universidade Nova de Lisboa ✦ *Uses of the Archive by Families of Portuguese Nobility, Fifteenth to Sixteenth Centuries* ✦ **Rita Sampaio da Nóvoa**, Universidade Nova de Lisboa ✦ *Questioning "National" Frontiers: Nobility Archival Practices in a Comparative Perspective (Portugal and Spain, Fifteenth to Nineteenth Centuries)* ✦ **Maria João A. e Sousa**, Universidade Nova de Lisboa ✦ *Le Programme ARCHIFAM, Enquête sur la Nature et les Fonctions des Archives de Famille en Péninsule Ibérique: Bilan et Perspectives* ✦ **Véronique Lamazou-Duplan**, Université de Pau et des Pays de l'Adour ✦ *Les Foix-Béarn-Navarre et Leurs Archives: Inventaires en Question* ✦ **Véronique Lamazou-Duplan**, Université de Pau et des Pays de l'Adour

December 1
Ancient Studies Seminar ✦ *Reconstructing the Consularia Italica* ✦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies

Medieval Seminar ✦ *Reconstruction of the Tradition of the So-Called Consularia Italica* ✦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies

December 2
Islamicist Seminar ✦ *Fixing the Past: Hafiz-i Abru and the "Jami` al-tawarikh"* ✦ **Stefan Kamola**, Princeton University

Law and Colonialism Sub-group ✦ *Subjects, Citizens, and Aliens in a Time of Upheaval: Naturalizing and Denaturalizing in Europe during the First World War* ✦ **Daniela L. Caglioti**, Università di Napoli Federico II; Member, School of Historical Studies

December 3
Historical Studies Lunchtime Colloquia ✦ *The Guts of the Matter: Intestinal Disease and Human History* ✦ **James Webb, Jr.**, Colby College; Member, School of Historical Studies

December 7
East Asian Studies Seminar ✦ *Amicitia Palatina: The Europeans' Networking at the Qing Court in the Long Eighteenth Century* ✦ **Eugenio Menegon**, Boston University; Member, School of Historical Studies

December 8
Medieval Seminar ✦ *General Group Discussion* ✦ **Patrick J. Geary**, Professor, School of Historical Studies

December 9
Art History Seminar ✦ *Making and Knowing in Early Modern Artistic Production* ✦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

Islamicist Seminar ✦ *Rogue Fictions: Thoughts on the Form, Circulation, and History of the Arabic Maqāma* ✦ **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies

December 10
Historical Studies Lunchtime Colloquia ✦ *Archaeology in the Twilight of Utopia: Eisenstein and the Problem of Deep Time* ✦ **Michael Kunichika**, New York University; Member, School of Historical Studies

December 14
East Asian Studies Seminar ✦ *Mandalas of Mañjuśrī: The Creation of Manchu Imperial Monasteries During the Qianlong Reign* ✦ **Wen-shing Chou**, Hunter College, The City University of New York; Member, School of Historical Studies

December 15
Law and Colonialism Sub-group ✦ *The Crisis of Legitimacy of Muslim Marriage in Russia at the Turn of the Twentieth Century* ✦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

December 16
Art History Seminar ✦ *Hybridity and the Global Turn in Japanese Art History* ✦ **Christine Guth**, Royal College of Art; Member, School of Historical Studies

Early Modern Europe Seminar ✦ *The Shadow of a Reason: Edgar Allan Poe and the Forging of U.S. Science* ✦ **John Tresch**, University of Pennsylvania; Member, School of Historical Studies

December 17
Historical Studies Lunchtime Colloquia ✦ *Islamic Law and Citizenship in the Russian Empire* ✦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

January 11
East Asian Studies Seminar ✦ *Why Does the Nirvāṇa Sūtra Cause Controversies?* ✦ **Wendi Adamek**, University of Calgary; Member, School of Historical Studies

January 12
Medieval Seminar ✦ *Second Term Introductions* ✦ **Patrick J. Geary**, Professor, School of Historical Studies

January 13
Islamicist Seminar ✦ *Crossing Empires: Shi'i Pilgrims of the Sultan and the Shah* ✦ **Firoozeh Kashani-Sabet**, University of Pennsylvania; Member, School of Historical Studies

January 14
Historical Studies Lunchtime Colloquia ✦ *Second Term Introductions* ✦ **Jonathan Israel**, Andrew W. Mellon Professor, School of Historical Studies

January 19
Ancient Studies Seminar ✦ *"Privileged Slaves" in Classical Athens and the Legal Framework of Servile Labor* ✦ **Paulin Ismard**, University Paris 1 Panthéon-Sorbonne; Member, School of Historical Studies

Medieval Seminar ✦ *Theodore Mommsen, Louis Duchesne, and the* Liber pontificalis: *Classical Philology and Medieval Latin Texts* ✦ **Carmela Vircillo Franklin**, Columbia University; Director's Visitor

January 20
Islamicist Seminar ✦ *On the Authorship of the* K. Tathbīt dalā'il al-nubuwwa ✦ **Hassan Ansari**, Institute for Advanced Study; Member, School of Historical Studies

January 21
Historical Studies Lunchtime Colloquia ✦ *From Stone to Codex: Ancient Chronicle Traditions and Roman Imperial History* ✦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies

January 25

East Asian Studies Seminar ✦ *Shipwrecks and Submerged Worlds: Excavation and Interpretation of New Discoveries from the South China Sea* ✦ **Hsueh-man Shen**, Institute of Fine Arts, New York University

January 27

Early Modern Europe Seminar ✦ *Trees on the Go: Botany, Germany, and the British Empire, 1750–1800* ✦ **Thomas Biskup**, University of Hull; Member, School of Historical Studies

S. T. Lee Lecture ✦ *The Transmission of Knowledge in Abbasid Iraq: Problems in the Interpretation of the "Catalogue" of Ibn al-Nadim* ✦ **Devin Stewart**, Emory University

January 28

Historical Studies Lunchtime Colloquia ✦ *Human Rights in an Age of Contestation: French Third Worldism, African Revolution, and Capital Punishment ca. 1970* ✦ **Meredith Terretta**, University of Ottawa; Member, School of Historical Studies

February 1

East Asian Studies Seminar ✦ *Encounters with the National Language from Chongqing to Taiwan, 1937–49* ✦ **Janet Chen**, Princeton University; Member, School of Historical Studies

February 2

Law and Colonialism Sub-group ✦ *"Law Is One Thing, and Virtue Is Another": Vernacular Readings of Law and Legal Process in 1920s Shanghai* ✦ **Bryna Goodman**, University of Oregon; Member, School of Historical Studies

Medieval Seminar ✦ *Recyclage et l'ontologie de l'objet dans les textes du bas Moyen Âge: l'exemple de Marseille* ✦ **Daniel Smail**, Harvard University; Member, School of Historical Studies

February 4

Historical Studies Lunchtime Colloquia ✦ *Rule and Practice in Early Medieval Monasticism* ✦ **Albrecht Diem**, Syracuse University; Member, School of Historical Studies

February 8

East Asian Studies Seminar ✦ *Finance, Sovereignty, and Freedom: Stock Exchanges in the Early Chinese Republic* ✦ **Bryna Goodman**, University of Oregon; Member, School of Historical Studies

February 9

Ancient Studies Seminar ✦ *Elpis in the Epigraphic Evidence: From Deceived Expectations to a Persuasion Strategy* ✦ **Angelos Chaniotis**, Professor, School of Historical Studies

Medieval Seminar ✦ *Reading and Teaching the Rule in the Age of Monastic Reform: A Study of the Glosae a diuersis doctoribus collectae in regula sancti Benedicti abbatis* ✦ **Matthieu H. van der Meer**, Syracuse University

February 10

Islamicist Seminar ✦ *Problems in the Translation of Greek Agricultural Terms into Arabic* ✦ **Carlo Scardino**, Heinrich-Heine-Universität Düsseldorf; Member, School of Historical Studies

February 11

Historical Studies Lunchtime Colloquia ✦ *When the Lightning Struck Pompeii: Reconstructing Local Religious Knowledge from Archaeological Debris* ✦ **William van Andringa**, Université Lille 3; Member, School of Historical Studies

February 16

East Asian Studies Seminar ✦ *The View from the Boundary: Provinces and Court in Post-Rebellion Tang China* ✦ **Tineke D'Haeseleer**, Princeton Society of Fellows

Law and Colonialism Sub-group ✦ *Using the Figure of "The Jew": French Feminist Politics in Global Empires and the Metropole* ✦ **Carolyn Eichner**, University of Wisconsin–Milwaukee; Member, School of Historical Studies

February 17

Art History Seminar ✦ *Shaping the Spatial Cosmologies of the Iranian Expanse* ✦ **Matthew Canepa**, University of Minnesota; Member, School of Historical Studies

Early Modern Europe Seminar ✦ *Luther's Jews* ✦ **Stephen Burnett**, University of Nebraska-Lincoln; Member, School of Historical Studies

February 18

Historical Studies Lunchtime Colloquia ✦ *Insect Artifice: The Origins of Entomology in the Early Modern Netherlands* ✦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

February 22

East Asian Studies Seminar ✦ *Posthuman Maos: The Invisible Real and the Hidden Dimensions of Chinese Science Fiction* ✦ **Mingwei Song**, Wellesley College; Member, School of Historical Studies

February 24

Art History Seminar ✦ *Nature and the Enemies of Art in the Early Modern Netherlands* ✦ **Marisa Bass**, Washington University in St. Louis; Member, School of Historical Studies

February 25

Historical Studies Lunchtime Colloquia ✦ *Arameans in Assyria in the Ninth to Seventh Centuries B.C.E.* ✦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies

February 29

East Asian Studies Seminar ✦ *The Rabbis of Hanlin: Jesuits and the Question of Religion in China, or Another Look at the Birth of World History* ✦ **Zvi Ben-Dor Benite**, New York University

March 1

Ancient Studies Seminar ✦ *The Importance of Graeco-Arabic Studies for Classics: The Example of the Arabic Translations of Ancient Agricultural Writers* ✦ **Carlo Scardino**, Heinrich-Heine-Universität; Member, School of Historical Studies

Medieval Seminar ✦ *Danger and Death* ✦ **Eric Goldberg**, Massachusetts Institute of Technology; Member, School of Historical Studies

March 2

Islamicist Seminar ✦ *With Blessings and Metaphors: The Medieval Islamic Art of the Object* ✦ **Margaret Graves**, Indiana University; Member, School of Historical Studies

March 3

Workshop on Squeezes of Ancient Greek Inscriptions in the Collection of the Institute for Advanced Study ✦ **Angelos Chaniotis**, Professor, School of Historical Studies ✦ **Gianfranco Agosti**, Universitá degli Studi di Roma, La Sapienza; Member, School of Historical Studies ✦ **Joshua Billings**, Princeton University; Member, School of Historical Studies ✦ **Paulin Ismard**, University Paris 1 Panthéon-Sorbonne; Member, School of Historical Studies ✦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies ✦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies ✦ **Giuseppe Pezzini**, University of Oxford; Member, School of Historical Studies ✦ **Felipe Rojas**, Brown University; Member, School of Historical Studies ✦ **William Van Andringa**, Universitè Lille 3; Member, School of Historical Studies

Historical Studies Lunchtime Colloquia ✦ *The Documentary Archaeology of Late Medieval Europe* ✦ **Daniel Smail**, Harvard University; Member, School of Historical Studies

March 4

Epigraphic Friday ✦ *An Assyrian Prayer to Nabû* ✦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies ✦ *Kallias the Egyptian: The Athenian Insurrection and Its Broader Political Context* ✦ **Nino Luraghi**, Princeton University ✦ *Writing Fiction Like Inscriptions* ✦ **Jason Moralee**, University of Massachusetts; Member, School of Historical Studies ✦ *An Altar for a New Hero* ✦ **Christopher Jones**, Yale University ✦ *After the War: Remembering the Civic Career of a Veteran from Patara* ✦ **Andrew Lepke**, Universität Münster ✦ *New Inscriptions from Aphrodisias* ✦ **Angelos Chaniotis**, Professor,

School of Historical Studies ✦ *New Inscriptions from Gadara/Umm Qais* ✦ **Florian Forster**, Ludwig-Maximilians–Universität München ✦ *Urban Prefects and Bronze Tesserae* ✦ **Michael Kulikowski**, The Pennsylvania State University; Member, School of Historical Studies ✦ *Two New Verse Inscriptions from Syria and Egypt* ✦ **Gianfranco Agosti**, Universitá degli Studi di Roma, La Sapienza; Member, School of Historical Studies ✦ *A New Bilingual Inscription of Augustan Date, in Nabataean and Sabaic, from Sirwah in Yemen* ✦ **Glen W. Bowersock**, Professor Emeritus, School of Historical Studies

March 7

East Asian Studies Seminar ✦ *Orphaned, Interned, Captured: The (In)visibilities of Film Archiving in Asia* ✦ **Steven Chung**, Princeton University

March 8

Medieval Seminar ✦ *Permeable Membranes: Astronomy and Appropriation in the Leiden* Aratea ✦ **Eric Ramírez-Weaver**, University of Virginia; Member, School of Historical Studies

March 9

Islamicist Public Lecture ✦ *Constructing Lineages: Jews, Muslims, and Nasab in the Middle Ages* ✦ **Arnold Franklin**, Queens College, The City University of New York

March 15

Ancient Studies Seminar ✦ *Was There a Greek Enlightenment?* ✦ **Joshua Billings**, Princeton University; Member, School of Historical Studies

Medieval Seminar ✦ *Forgetting, Remembering, and Stealing the First French Text* ✦ **Courtney Booker**, The University of British Columbia; Member, School of Historical Studies

March 16

Art History Seminar ✦ *Signs of Import and Influence in the Astrological Compendia Made for Wenceslas IV* ✦ **Eric Ramírez-Weaver**, University of Virginia; Member, School of Historical Studies

Early Modern Europe Seminar ✦ *Cambridge Companion to the Dutch Golden Age: Radical Thought* ✦ **Jonathan Israel**, Andrew W. Mellon Professor, School of Historical Studies

March 17

Historical Studies Lunchtime Colloquia ✦ *Nobel Laureate Niko Tinbergen's Work on Autism: A New Stratigraphic View of Human Nature* ✦ **Marga Vicedo**, University of Toronto; Member, School of Historical Studies

March 21

East Asian Studies Seminar ✦ *Poetics of Nature, Fetish for Consumption: On the Medicinal Uses of Human Milk in Imperial China* ✦ **He Bian**, Princeton University

March 22

Medieval Seminar ✦ *The Thorny Laurel: Tullia d'Aragona, Woman of Letters* ✦ **Julia Hairston**, University of California, Rome; Member, School of Historical Studies

March 23

Islamicist Seminar ✦ *The Year of Mawânîd: Tax Collection, Local Patricians, and Central Administration under the Early Abbasids* ✦ **Hossein Kamali**, Barnard College, Columbia University

March 24

Historical Studies Lunchtime Colloquia ✦ *The "Satanic" Sublime and Milton's English Enlightenment Readers* ✦ **Noël Sugimura**, Georgetown University; Member, School of Historical Studies

March 25

Squeeze Collection Workshop for Columbia University Graduate Students ✦ *Squeezes of Ancient Greek Inscriptions in the Collection of the Institute for Advanced Study* ✦ **Angelos Chaniotis**, Professor, School of Historical Studies

March 28

Art History Seminar ✦ *Cinematic Incubation: Markopoulos and the Temenos* ✦ **Rebekah Rutkoff**, Institute for Advanced Study; Member, School of Historical Studies

East Asian Studies Seminar ✦ *Visions of No-Sense: Zen Kōans and the Arts of Fifteenth Century Japan* ✦ **Thomas W. Hare**, Princeton University

March 29

Ancient Studies Seminar ✦ *Pagan Gods Changing in Roman Gaul (Third to Fourth Centuries A.D.): Archaeological Facts and Religious Changes in Late Antiquity* ✦ **William Van Andringa**, Universitè Lille 3; Member, School of Historical Studies

Medieval Seminar ✦ Regula cuiusdam ad virgines*, a Seventh-Century Rule for Nuns* ✦ **Albrecht Diem**, Syracuse University; Member, School of Historical Studies

March 30

Art History Seminar ✦ *Style and Meaning in Late Antique Art* ✦ **Sarah Bassett**, Indiana University; Member, School of Historical Studies

March 31

Historical Studies Lunchtime Colloquia ✦ *Language of Imperialism, Language of Liberation: Telling Stories in the Kanak-French Colonial Encounter* ✦ **Carolyn Eichner**, University of Wisconsin–Milwaukee; Member, School of Historical Studies

April 5

Ancient Studies Seminar ✦ *Paideia and Society in Late Antiquity: The Case of Verse Inscriptions* ✦ **Gianfranco Agosti**, Universitá degli Studi di Roma, La Sapienza; Member, School of Historical Studies

Medieval Seminar ✦ *The Documentary Archaeology of Late Medieval Europe* ✦ **Daniel Smail**, Harvard University; Member, School of Historical Studies

April 13

Squeeze Collection Workshop for Students from Rutgers, The State University of New Jersey ✦ *Squeezes of Ancient Greek Inscriptions in the Collection of the Institute for Advanced Study* ✦ **Angelos Chaniotis**, Professor, School of Historical Studies ✦ **Stephen Tracy**, The American School of Classical Studies at Athens

Early Modern Europe Seminar ✦ *The Thorny Laurel: Tullia d'Aragona, Woman of Letters* ✦ **Julia Hairston**, University of California, Rome; School of Historical Studies

Islamicist Seminar ✦ *Creating Publics: Newspapers and Newspaper Culture in Qajar Iran* ✦ **Negin Nabavi**, Montclair State University; Member, School of Historical Studies

April 27

Law and Colonialism Sub-group ✦ *Where Did the Äkhūnds Go? Islamic Legal Experts and the Breakdown of the Traditional Islamic Legal Order in the Russian Empire* ✦ **Rozaliya Garipova**, University of Pennsylvania; Member, School of Historical Studies

May 10

Exploratory Meeting: The Transformation of the Carolingian World ✦ *Welcome and presentations of some impressions from the first meeting in Vienna, and some ideas and perspectives* ✦ **Patrick J. Geary**, Professor, School of Historical Studies ✦ **Helmut Reimitz**, Princeton University, **Conrad Leyser**, University of Oxford, **Hans Hummer**, Wayne State University and **Timothy Newfield**, Princeton University ✦ *Presentations of some impressions from the first meeting in Vienna, and some ideas and perspectives* ✦ **Eric Goldberg**, Massachusetts Institute of Technology, **Jennifer Davis**, The Catholic University of America, **Warren Brown**, California Institute of Technology, **Max Diesenberger**, Austrian Academy of Sciences ✦ Breakout groups ✦ *Christianity and the Church* ✦ **Conrad Leyser**, University of Oxford ✦ *Politics and Political Culture* ✦ **Eric Goldberg**, Massachusetts Institute of Technology ✦ *Legal Order and Normative Pluralism* ✦ **Jennifer Davis**, The Catholic University of America, and **Warren Brown**, California Institute of Technology ✦ *Economy and Environment* ✦ **Timothy Newfield**, Princeton University ✦ *Social Dynamics and Politics of Identity* ✦ **Hans Hummer**, Wayne State University ✦ *Culture and Communication* ✦

Patrick Geary, Professor, School of Historical Studies ✦ **Helmut Reimitz**, Princeton University

Exploratory Meeting: The Transformation of the Carolingian World ✦ Breakout groups (continued) ✦ *Christianity and the Church* ✦ **Conrad Leyser**, University of Oxford ✦ *Politics and Political Culture* ✦ **Eric Goldberg**, Massachusetts Institute of Technology ✦ *Legal Order and Normative Pluralism* ✦ **Jennifer Davis**, The Catholic University of America, and **Warren Brown**, California Institute of Technology ✦ *Economy and Environment* ✦ **Timothy Newfield**, Princeton University ✦ *Social Dynamics and Politics of Identity* ✦ **Hans Hummer**, Wayne State University ✦ *Culture and Communication* ✦ **Patrick J. Geary**, Professor, School of Historical Studies ✦ **Helmut Reimitz**, Princeton University ✦ *Reports and Discussion* ✦ moderators: **Patrick J. Geary**, Professor, School of Historical Studies, and **Helmut Reimitz**, Princeton University

Law and Colonialism Sub-group ✦ *Bodies of Law in Algerian Colonization* ✦ **Judith Surkis**, Rutgers, The State University of New Jersey

The Maqāma and Its Readers: A Workshop on Arabic and Hebrew Literatures ✦ *Opening Remarks and Welcome* ✦ **Sabine Schmidtke**, Professor, School of Historical Studies, and **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies ✦ *Two Picaresque Tales and a Yellow Cow: Black Humor and Qurānic References in Hamadhānī's* al-Maqama al-Mawṣiliyya ✦ **Bilal Orfali**, American University of Beirut ✦ *Hamadhānī's Maqāmāt and Its Readers: The Examples of Ibn Nāqiyā and al-Ḥarīrī* ✦ **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies ✦ *The Ethical Dimension of al-Ḥarīrī's Maqāmāt: The View from Al-Panjdīhī's Commentary* ✦ **Matthew Keegan**, New York University ✦ *The Anti-Shiism of al-Hamadhānī and the Maqāmāt* ✦ **Devin Stewart**, Emory University ✦ *Response to the Anti-Shiism of al-Hamadhānī and the Maqāmāt* ✦ **Hassan Ansari**, Institute for Advanced Study; Member, School of Historical Studies ✦ *Judah al-Ḥarīzī as a Bilingual Author* ✦ **Jonathan Decter**, Brandeis University ✦ *Religious Themes in the Tahkemoni by Judah al-Ḥarīzī* ✦ **Raymond P. Scheindlin**, Jewish Theological Seminary ✦ *Monks in Love, Greedy Priests, and Muslim Tricksters: On the Image of the Other in Post-Andalusī Hebrew Maqāmāt* ✦ **Orit Bashkin**, The University of Chicago ✦ *Closing Remarks* ✦ **Sabine Schmidtke**, Professor, School of Historical Studies, and **Maurice Pomerantz**, New York University Abu Dhabi; Member, School of Historical Studies

Non-State War Economies International Workshop ✦ *Framing War Economies* ✦ **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies ✦ *War Economies: A General Framework* ✦ **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ✦ *Material Motives? Resource Wars, Raw Materials, and War Economies* ✦ **Philippe Le Billion**, The University of British Columbia ✦ *Beyond the Shadows: Digital Non-State Actors in Cyberspace* ✦ **Carolyn Nordstrom**, University of Notre Dame ✦ *Warlordism in Historical Perspective* ✦ **Clémence Pinaud**, Indiana University ✦ *The War Economy of Asian Nomadic Empires in Ancient and Medieval Times* ✦ **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies ✦ *Warlords and Renaissance Italy* ✦ **William Caferro**, Vanderbilt University ✦ *Warlords and the Economy in Early Twentieth Century China* ✦ **Edward McCord**, The George Washington University ✦ *Non-State Actors and State Building* ✦ **Bernard Haykel**, Princeton University ✦ *Taxation and Governance by Armed Groups* ✦ **Zachariah Mampilly**, Vassar College ✦ *Somalia: The Challenges of Security in a Collapsed State* ✦ **William Reno**, Northwestern University ✦ *Social Implications of the War Economy in South Sudan in the Second (1983–2005) and Third (2013–) Civil Wars* ✦ **Clémence Pinaud**, Indiana University ✦ *A Repercussion from the Reagan Doctrine: The Spooking of Islamic Charity* ✦ **Jonathan Benthall**, University College London

Non-State War Economies International Workshop ✦ *Profits and Losses in War and Post-War* ✦ **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ✦ *An Illiberal Interpretation of War: Wartime Political Economy and "Development" in Colombia, Mozambique, and Myanmar* ✦ **Christopher Cramer**, University of London ✦ *Reconstruction's Deconstruction: The Promise and Profits of a Remade "Post-War" Afghanistan* ✦ **Catherine Lutz**, Brown University ✦ *The Effects of Conflict on Migration and the Returns to Migration in Colombia* ✦ **Ana María Ibáñez Londoño**, Universidad de los Andes

"Allographic Traditions" among Arabic-Speaking Christians, Jews, and Samaritans: Workshop on the Writing Systems of Garshuni, Judeo-Arabic, and Samaritan-Arabic ✦ *Opening Statement* ✦ **Sabine Schmidtke**, Professor, School of Historical Studies ✦ *Turks with a "wāw"* ✦ **E. Efe**, Rutgers, The State University of New Jersey ✦ *The Phenomenon of "Code Switching" in the Written Discourse of Judaeo-Arabic Texts* ✦ **Meira Pollack**, Tel Aviv University ✦ *Samaritan Traditions* ✦ **Eve Krakowski**, Princeton University ✦ *Allographic Writing in the Samaritan Manuscript Culture between Arabic and Hebrew* ✦ **Stefan Schorch**, Martin-Luther-Universität Halle-Wittenberg ✦ *Arabic and Syriac in the Samaritan Version of*

Saadya Gaon's Translation of the Pentateuch ✦ **Tamar Zewi**, University of Haifa ✦ *Syro-Turkic Garshuni Traditions* ✦ **Hassan Ansari**, Institute for Advanced Study; Member, School of Historical Studies ✦ *Poems in Turkic and Persian Garshuni from the Mongol Time* ✦ **Anton Pritula**, The State Hermitage Museum ✦ *Remarks on Some Turkic Garshuni Texts Preserved in an Eighteenth Century Chaldean Prayer Book* ✦ **Jonas Karlsson**, Uppsala University ✦ *Judeo-Arabic Traditions* ✦ **Tamar Zewi**, University of Haifa ✦ *Jewish Identity and Hebrew Script: the Case of Judaeo-Arabic* ✦ **Esther-Miriam Wagner**, University of Cambridge ✦ *Judeo-Arabic as a Legal Language: The View from the Cairo Geniza* ✦ **Eve Krakowski**, Princeton University

"Allographic Traditions" among Arabic-Speaking Christians, Jews, and Samaritans: Workshop on the Writing Systems of Garshuni, Judeo-Arabic, and Samaritan-Arabic ✦ *Syriac Garshuni Traditions* ✦ **Andrea Piras**, Università di Bologna ✦ *Syriac Garshuni: Patterns of Distribution in Different Branches of Syriac Christianity* ✦ **Grigory Kessel**, Philipps-Universität Marburg ✦ *From Garshuni to "Garshunography": Garshuni Systems in the Early Modern and Modern World* ✦ **George A. Kiraz**, Princeton University ✦ *Syro-Arabic Garshuni Traditions* ✦ **Grigory Kessel**, Philipps-Universität Marburg ✦ *The Use of Garshuni by the Melkites from a Cultural-Historical Perspective* ✦ **Johannes Pahlitszch**, Johannes Gutenberg-Universität Mainz ✦ *Why and When to Write in Garshuni: Observations Based on Some Mainstream and Peripheral Cases* ✦ **Hidemi Takahashi**, The University of Tokyo ✦ *Spain* ✦ **George Kiraz**, Princeton University ✦ *Linguistic and Cultural Uses behind Aljamiado Texts* ✦ **Nuria Martínez de Castilla Muñoz**, Universidad Complutense Madrid ✦ *Spanish Islam in Arabic Script: Language, Identity, and Community Boundaries in the Literature of Religious Polemics of the Muslims of Late Medieval Christian Iberia* ✦ **Mònica Colominas Aparicio**, University of Amsterdam, *Arabic and Coptic* ✦ **Johannes Pahlitszch**, Johannes Gutenberg-Universität Mainz ✦ *The "Violet Fragment": Revisiting a Strange Case of Arabic in Greek Letters* ✦ **Ronny Vollandt**, Ludwig-Maximilians-Universität München ✦ *Allographic Experiments at the Cradle and at the Grave of Coptic Written Culture* ✦ **Sebastian Richter**, Freie Universität Berlin

Digital Ottoman Platform II Workshop ✦ *Welcome and Opening Remarks* ✦ **Robbert Dijkgraaf**, Director and Leon Levy Professor, Institute for Advanced Study, and **Sabine Schmidtke**, Professor, School of Historical Studies ✦ *What We've Done, What We're Doing, Where We're Going* ✦ moderator: **Sabine Schmidtke**, Professor, School Of Historical Studies ✦ *Capsule Report on DOP 1* ✦ **Amy Elizabeth Singer**, Tel Aviv University ✦ *Individual Projects Review* ✦ **Chris Gratien**, The Harvard Academy for International Area

Studies ✦ *Report on the State of the Gazetteer* ✦ **Mark Połczyński**, Marquette University, **Michał Połczyński**, Georgetown University, and **Nir Shafir**, University of California, Los Angeles ✦ *Multiple Languages, Scripts, and Orthographies in Historical Gazetteers* ✦ **Lex Berman**, Harvard University ✦ *A Schema for the Ottoman Historical Gazetteer* ✦ **Will Hanley**, Florida State University ✦ *If It Isn't Somewhere, It Doesn't Exist—The Challenge of Building a Historical GIS for the Russian Empire* ✦ **Kelly O'Neill**, Harvard University ✦ *Technical Tricks for Gathering and Reconciling Data* ✦ **Jeremy Guillette**, Harvard University ✦ *Reinventing the Wheel? A general discussion of existing gazetteers* ✦ led by **Nir Shafir**, University of California

June 21
Digital Ottoman Platform II Workshop ✦ *Place, Space, Visualization, and Putting It Together* ✦ moderator: **Michał Połczyński**, Georgetown University ✦ *Historical Geography of Ottoman Egypt* ✦ **Nicolas Michel**, Institut Français d'Archéologie Orientale ✦ *Visualizing an Agro-Economic Regime in Ottoman Greece and Albania with GIS* ✦ **Emily Neumeier**, University of Pennsylvania ✦ *Database for Ottoman Inscriptions: Exploring Digital Possibilities* ✦ **Hakan Karateke**, The University of Chicago ✦ *Workshop Session: Introduction to Linked Data* ✦ led by **Will Hanley**, Florida State University, and **Mark Połczyński**, Marquette University ✦ *Mapping Late Ottoman Population Data in Istanbul and for the Empire* ✦ **Erdem Kabadayı**, Koç University, Istanbul ✦ *Summary discussion of the day and looking ahead* ✦ led by **Mark Połczyński**, Marquette University

June 22
Digital Ottoman Platform II Workshop ✦ *Gazetteer Madness* ✦ moderator: **Chris Gratien**, The Harvard Academy for International Area Studies ✦ *The Pleiades Project* ✦ **Tom Elliot**, Institute for the Study of the Ancient World, New York University ✦ *Spatial History Projects in Crete, Cyprus, and Beyond* ✦ **Antonis Hadjikyriacou**, Institute for Mediterranean Studies, Foundation for Research and Technology–Hellas (FORTH) ✦ *Economic and "Large-N" Analysis of Islamic Legal Practice in the Ottoman Empire: A View of the Craft's Kitchen* ✦ **Boğaç Ergene**, The University of Vermont ✦ *Breakout GAZ #1: Creating an OTTOMAN Gazetteer* ✦ moderator: **Michał Połczyński**, Georgetown University ✦ *Breakout WEB #1: Planning for a Web Platform—Appearance, Content, Interface, Workflow to Design* ✦ moderator: **Chris Gratien**, The Harvard Academy for International Area Studies ✦ *Breakout ORG #1: Drafting a Five-Year Timeline—Tasks, Priorities, Leadership, Funds* ✦ moderator: **Amy Elizabeth Singer**, Tel Aviv University ✦ *Reports from breakouts and summary discussion* ✦ led by **Chris Gratien**, The Harvard Academy for International Area Studies

June 23
Digital Ottoman Platform II Workshop ✦ *NUTS and BOLTS* ✦ moderator: **Nina Ergin**, Koç University, Istanbul ✦ *Istanbul's Early Modern Urban Topography and Mapping Its Narratives* ✦ **Serkan Şavk**, İzmir University of Economics ✦ *The Emma B. Andrews Diary Project—Recreating a Nile Journey in the Digital Age* ✦ **Sarah Ketchley**, University of Washington ✦ *Introduction to Git and GitHub* ✦ **Jeremy Guillette**, Harvard University ✦ *Breakout GAZ & WEB #2: Use Cases* ✦ moderator: **Lex Berman**, Harvard University ✦ *Breakout ORG #2: Leadership and Partnership in a Collective: Workflows and Responsibility* ✦ moderator: **Sabine Schmidtke**, Professor, School of Historical Studies ✦ *Breakout GAZ #3: Ontologies: Confidence and Integrating Pre-existing Data (Defining Confidence in Sources and Assertions), Stability, Reliability, Documentation, Quality* ✦ moderator: **Tom Elliot**, Institute for the Study of the Ancient World, New York University ✦ *Breakout WEB #3: Planning a Web Platform—Appearance, Content, Interface, Workflow to Design* ✦ moderator: **Michał Połczyński**, Georgetown University ✦ *Breakout ORG #3: The DOP as an Editor/Publisher* ✦ moderator: **Nina Ergin**, Koç University, Istanbul ✦ *Reports from breakouts and summary discussion* ✦ led by **Nina Ergin**, Koç University, Istanbul

June 24
Digital Ottoman Platform II Workshop ✦ *Engagement and Sustainability* ✦ moderator: **Amy Elizabeth Singer**, Tel Aviv University ✦ *Breakout GAZ #4: Putting Things to the Test!* ✦ **Mark Połczyński** ✦ *Breakout WEB #4: How Will DOP Look to the User? What Will It Offer?* ✦ **Michał Połczyński** ✦ *Breakout ORG #4: Identifying Grants, Defining Funding Needs, Timetable for Applications* ✦ moderators: **Sabine Schmidtke**, Professor, School of Historical Studies, and **Amy Elizabeth Singer**, Tel Aviv University ✦ *General concluding discussion* ✦ led by **Amy Elizabeth Singer**, Tel Aviv University

School of Mathematics

September 17
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Spectral Summation Formulae and Their Applications* ✦ **Valentin Blomer**, Georg-August-Universität Göttingen; von Neumann Fellow, School of Mathematics

September 18
Princeton/IAS Symplectic Geometry Seminar ✦ *Fixed-Point Expressions for the Fukaya Endomorphism Algebra of RP^{2m} and Higher Genus Open Invariants* ✦ **Amitai Zernik**, The Hebrew University of Jerusalem

Computer Science/Discrete Mathematics Seminar I ✦ *Explicit Two-Source Extractors and Resilient Functions I* ✦ **Eshan Chattopadhyay**, The University of Texas at Austin

Short Talks by Postdoctoral Members ✦ *Univalent Foundations and the Equivalence Principle* ✦ **Benedikt Ahrens**, Member, School of Mathematics ✦ *On Torsion in the Cohomology of Shimura Varieties* ✦ **Ana Caraiani**, Princeton University; Veblen Research Instructor, School of Mathematics ✦ *Flows, Planes, and Circles* ✦ **Steven Frankel**, Member, School of Mathematics ✦ *Recent Developments of the Mixed Andre-Oort Conjecture* ✦ **Ziyang Gao**, Member, School of Mathematics

September 22
Computer Science/Discrete Mathematics Seminar II ✦ *Explicit Two-Source Extractors and Resilient Functions II* ✦ **Eshan Chattopadhyay**, The University of Texas at Austin

Short Talks by Postdoctoral Members ✦ *Completion Theorems in Equivariant Homotopy Theory* ✦ **Saul Glasman**, Member, School of Mathematics ✦ *Higher-Order Fourier Analysis and Applications* ✦ **Pooya Hatami**, Member, School of Mathematics ✦ *Heegaard Floer Homology and the Knot Concordance Group* ✦ **Jennifer Hom**, Member, School of Mathematics ✦ *Recent Progress on Random Walk in Groups* ✦ **Robert Daniel Hough**, Member, School of Mathematics ✦ *Hodge Theory for Combinatorial Geometries* ✦ **June Huh**, Princeton University; Veblen Fellow, School of Mathematics

September 24
Working Group on Algebraic Number Theory

Short Talks by Postdoctoral Members ✦ *Word-Induced Measures on Groups* ✦ **Doron Puder**, Member, School of Mathematics ✦ *Lower Bounds for de-Morgan Formulae* ✦ **Avishay Tal**, Member, School of Mathematics ✦ *Exponential Separation of Communication and External Information* ✦ **Gillat Kol**, Member, School of Mathematics ✦ *Toward a New Formalization of Real Numbers* ✦ **Catherine Lelay**, Member, School of Mathematics ✦ *Invariants of 4-Manifolds* ✦ **Tye Lidman**, Member, School of Mathematics ✦ *Dynamics on Moduli Spaces and Exceptional Families of Algebraic Curves* ✦ **Alexander Murray Wright**, Member, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar ✦ *On the Averaged Colmez Conjecture* ✦ **Xinyi Yuan**, Institute for Advanced Study, Berkeley

September 28
Computer Science/Discrete Mathematics Seminar I ✦ *Ramsey Numbers of Degenerate Graphs* ✦ **Choongbum Lee**, Massachusetts Institute of Technology

Short Talks by Postdoctoral Members ✦ *On Cuspidality of Global Arthur Packets of Quasi-Split Classical Groups* ✦ **Baiying Liu**, Member, School of Mathematics ✦ *Type Theory and Formalization of Mathematics* ✦ **Anders**

Mörtberg, Member, School of Mathematics ✦ *An Integral Lift of Contact Homology* ✦ **Joanna Nelson**, Member, School of Mathematics

September 29
Short Talks by Postdoctoral Members ✦ *Diophantine Approximation and Diophantine Definitions* ✦ **Héctor Pastén Vásquez**, Member, School of Mathematics ✦ *p-adic Modular Forms* ✦ **Christian Johansson**, Member, School of Mathematics ✦ *Rational Points on Varieties and the Brauer-Manin Obstruction* ✦ **Damaris Schindler**, Member, School of Mathematics ✦ *Random Band Matrices: Delocalization and Universality* ✦ **Tatyana Shcherbyna**, Member, School of Mathematics ✦ *Metrics on Diffeomorphism Groups in Symplectic and Contact Geometry* ✦ **Egor Shelukhin**, Member, School of Mathematics

September 30
Short Talks by Postdoctoral Members ✦ *Pseudo-Anosov Stretch Factors* ✦ **Balazs Strenner**, Member, School of Mathematics ✦ *Quantum Weak Mixing and Effective Strong Multiplicity One Theorem* ✦ **Junehyuk Jung**, Member, School of Mathematics ✦ *Quantization in Modular Setting and Its Applications* ✦ **Roman Travkin**, Member, School of Mathematics ✦ *On Smooth Actions by Higher Rank Lattices* ✦ **Zhiren Wang**, Member, School of Mathematics ✦ *Uniform Spectral Gap and Selberg Type Theorems on Infinite Area Surfaces* ✦ **Dale Winter**, Member, School of Mathematics

October 1
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Motivic Cohomology Actions and the Geometry of Eigenvarieties* ✦ **David Hansen**, Columbia University

October 2
Princeton/IAS/Columbia Symplectic Geometry Seminar ✦ *Lagrangian Cobordism: What We Know and What Is It Good For* ✦ **Octav Cornea**, Université de Montréal ✦ *Non-Trivial Hamiltonian Fibrations via K-Theory Quantization* ✦ **Egor Shelukhin**, Member, School of Mathematics

October 5
Workshop on Geometric Structures on 3-Manifolds

Computer Science/Discrete Mathematics Seminar I ✦ *Is Optimization Computationally Equivalent to Online Learning?* ✦ **Elad Hazan**, Princeton University

October 6
Workshop on Geometric Structures on 3-Manifolds

Computer Science/Discrete Mathematics Seminar II ✦ *Invariants of Random Knots* ✦ **Chaim Even Zohar**, The Hebrew University of Jerusalem

October 7
Workshop on Geometric Structures on 3-Manifolds

October 8
Workshop on Geometric Structures on 3-Manifolds

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Algebraic Solutions of Differential Equations over the Projective Line Minus Three Points* ✦ **Yunqing Tang**, Harvard University

October 9
Workshop on Geometric Structures on 3-Manifolds

Princeton/IAS Symplectic Geometry Seminar ✦ *Real Gromov-Witten Theory in All Genera* ✦ **Penka Georgieva**, Institut de Mathématiques de Jussieu, Université Pierre et Marie Curie

October 12
Computer Science/Discrete Mathematics Seminar I ✦ *Factors of Polynomials of Low Individual Degree* ✦ **Rafael Oliveira**, Princeton University

Members' Seminar ✦ *3-Manifold Groups* ✦ **Ian Agol**, University of California, Berkeley; Distinguished Visiting Professor, School of Mathematics

October 13
Workshop on Fundamental Groups and Periods

Computer Science/Discrete Mathematics Seminar II ✦ *Non-constructive Combinatorics* ✦ **Noga Alon**, Tel Aviv University; Visiting Professor, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *The Four-Color Theorem and an Instanton Invariant for Spatial Graphs I* ✦ **Peter Kronheimer**, Harvard University ✦ *The Four-Color Theorem and an Instanton Invariant for Spatial Graphs II* ✦ **Tomasz Mrowka**, Massachusetts Institute of Technology

October 15
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Adjoint Selmer Groups for Polarized Automorphic Galois Representations* ✦ **Patrick Allen**, University of Illinois at Urbana–Champaign

October 16
Princeton/IAS Symplectic Geometry Seminar ✦ *3D Mirror Symmetry and Symplectic Duality* ✦ **Tudor Dimofte**, Perimeter Institute for Theoretical Physics

Mathematical Conversations ✦ *Finite Simple Groups* ✦ **Robert Guralnick**, University of Southern California; Visitor, School of Mathematics

October 19
Members' Seminar ✦ *Subgroups of Random Groups* ✦ **Danny Calegari**, The University of Chicago; Member, School of Mathematics

October 20
Geometric Structures on 3-Manifolds ✦ *Geometric Techniques in Knot Theory* ✦ **Jessica S. Purcell**, Brigham Young University; von Neumann Fellow, School of Mathematics ✦ *Non-orientable Knot Genus and the Jones Polynomial* ✦ **Efstratia Kalfagianni**, Michigan State University

October 22
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Unlikely Intersections for Two-Parameter Families of Polynomials* ✦ **Tom Tucker**, University of Rochester

October 23
Princeton/IAS Symplectic Geometry Seminar ✦ *Dehn Twists Exact Sequences through Lagrangian Cobordism* ✦ **Weiwei Wu**, Université de Montréal

October 26
Computer Science/Discrete Mathematics Seminar I ✦ *Random Words, Longest Increasing Subsequences, and Quantum PCA* ✦ **John Wright**, Carnegie Mellon University

Members' Seminar ✦ *Quantum Ergodicity for the Uninitiated* ✦ **Zeev Rudnick**, Tel Aviv University; Member, School of Mathematics

October 27
Computer Science/Discrete Mathematics Seminar II ✦ *Algorithmic Proof of the Lovasz Local Lemma via Resampling Oracles* ✦ **Jan Vondrák**, IBM Almaden Research Center; Member, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *CAT(0) Cube Complexes and Virtually Special Groups* ✦ **Daniel Groves**, University of Illinois at Chicago ✦ *A New Cubulation Theorem for Hyperbolic Groups* ✦ **Daniel Groves**, University of Illinois at Chicago

October 28
Mathematical Conversations ✦ *Volumes of Hyperbolic Link Complements* ✦ **Ian Agol**, University of California, Berkeley; Distinguished Visiting Professor, School of Mathematics

October 29
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *From Local Class Field Theory to the Curve and Vice Versa* ✦ **Laurent Fargues**, Institut de Mathématiques de Jussieu

October 30
Princeton/IAS/Columbia Symplectic Geometry Seminar ✦ *Floer Homology for Translated Points* ✦ **Margherita Sandon**, Université de Strasbourg ✦ *Functors and Relations from Fukaya Categories of LG Models* ✦ **Sheel Ganatra**, Stanford University

November 2
Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

Computer Science/Discrete Mathematics Seminar I ✦ *Two-Source Dispersers for Polylogarithmic Entropy and Improved Ramsey Graphs I* ✦ **Gil Cohen**, California Institute of Technology

Members' Seminar ✦ *Optimal Knots* ✦ **Abigail Thompson**, University of California, Davis; Member, School of Mathematics

November 3
Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

Computer Science/Discrete Mathematics Seminar II ✦ *Two-Source Dispersers for Polylogarithmic Entropy and Improved Ramsey Graphs II* ✦ **Gil Cohen**, California Institute of Technology

Geometric Structures on 3-Manifolds ✦ *Random Walks on Groups with Hyperbolic Properties* ✦ **Joseph Maher**, City University of New York ✦ *Random Walks on Weakly Hyperbolic Groups* ✦ **Joseph Maher**, City University of New York

November 4
Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

November 5
Finite Simple Groups: Thirty Years of the Atlas and Beyond, Celebrating the Atlases and Honoring John Conway

November 6
Princeton/IAS Symplectic Geometry Seminar ✦ *Negative and Positive Results in the Intersection between Systolic and Symplectic Geometry* ✦ **Umberto Hryniewicz**, Universidade Federal do Rio de Janeiro

November 7
Workshop on Topology: Identifying Order in Complex Systems ✦ *Critical Mechanical Structures: Topology and Entropy* ✦ **Xiaoming Mao**, University of Michigan ✦ *Topological Effects in Metals: From Chiral and Gyrotropic Magnetic Effects to Quenched Majoranas* ✦ **Joel Moore**, University of California, Berkeley ✦ *Topological and Combinatorial Methods in Theoretical Distributed Computing* ✦ **Dmitry Feichtner-Kozlov**, Institut für Algebra, Geometrie, Topologie und deren Anwendungen (ALTA), Universität Bremen ✦ *Hierarchical Clustering on Asymmetric Networks* ✦ **Facundo Mémoli**, The Ohio State University ✦ *Interactive Visualization of 2-D Persistence Modules* ✦ **Michael Lesnick**, Columbia University

November 9
Computer Science/Discrete Mathematics Seminar I ✦ *Cutting Plane Method: A Faster Algorithm for Many (Combinatorial) Optimization Problems* ✦ **Yin Tat Lee**, Massachusetts Institute of Technology

Members' Seminar ✦ *Hard Lefschetz Theorem and Hodge-Riemann Relations for Combinatorial Geometries* ✦ **June Huh**, Princeton University; Veblen Fellow, School of Mathematics

Minerva Lectures at Princeton University ✦ *I: Geometry and Dynamics on Hyperbolic Surfaces* ✦ **Maryam Mirzakhani**, Stanford University; Member, School of Mathematics

November 10
Computer Science/Discrete Mathematics Seminar II ✦ *Exponential Separation of Communication and External Information* ✦ **Gillat Kol**, Member, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar ✦ *On the Moy-Prasad Filtration and Supercuspidal Representations* ✦ **Jessica Fintzen**, Harvard University

November 11
Minerva Lectures at Princeton University ✦ *II: Dynamics on Moduli Spaces of Hyperbolic Surfaces* ✦ **Maryam Mirzakhani**, Stanford University; Member, School of Mathematics

Mathematical Conversations ✦ *Effective Hyperbolic Geometry* ✦ **David Futer**, Temple University; Member, School of Mathematics

November 12
Working Group on Algebraic Number Theory

Geometric Structures on 3-Manifolds ✦ *Pseudo-Anosov Constructions and Penner's Conjecture* ✦ **Balazs Strenner**, Member, School of Mathematics ✦ *Algebraic Degrees and Galois Conjugates of Pseudo-Anosov Stretch Factors* ✦ **Balazs Strenner**, Member, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar ✦ *Hasse Principle for Kummer Varieties* ✦ **Alexei Skorobogatov**, Imperial College London; Member, School of Mathematics

November 13
Princeton/IAS Symplectic Geometry Seminar ✦ *Legendrian Fronts in Contact Topology* ✦ **Roger Casals**, Massachusetts Institute of Technology

Minerva Lectures at Princeton University ✦ *III: Counting Mapping Class Group Orbits on Hyperbolic Surfaces* ✦ **Maryam Mirzakhani**, Stanford University; Member, School of Mathematics

November 16
Computer Science/Discrete Mathematics Seminar I ✦ *How Quaternion Algebras over Number Fields Are Useful for Creating Compiler for a Quantum Computer?* ✦ **Vadym Kliuchnikov**, Microsoft Research, Redmond, Washington

Members' Seminar ✦ *The SL(2, R) Action on Moduli Space* ✦ **Alex Eskin**, The University of Chicago; Member, School of Mathematics

November 17
Computer Science/Discrete Mathematics Seminar II ✦ *Cohomology for Computer Science* ✦ **Alex Lubotzky**, The Hebrew University of Jerusalem

Geometric Structures on 3-Manifolds ✦ *The Complex Geometry of Teichmüller Spaces and Bounded Symmetric Domains I* ✦ **Stergios Antonakoudis**, University of Cambridge ✦ *The Complex Geometry of Teichmüller Spaces and Bounded Symmetric Domains II* ✦ **Stergios Antonakoudis**, University of Cambridge

November 18
Mathematical Conversations ✦ *An Introduction to Chromatic Homotopy Theory* ✦ **Saul Glasman**, Member, School of Mathematics

November 19
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Geometric Deformations of Orthogonal and Symplectic Galois Representations* ✦ **Jeremy Booher**, Stanford University

November 20
Princeton/IAS Symplectic Geometry Seminar ✦ *Low-Area Floer Theory and Non-displaceability* ✦ **Dmitry Tonkonog**, University of Cambridge

November 23
Computer Science/Discrete Mathematics Seminar I ✦ *Advances on Ramsey Numbers* ✦ **Jacob Fox**, Stanford University

Members' Seminar ✦ *Fun with Finite Covers of 3-Manifolds: Connections between Topology, Geometry, and Arithmetic* ✦ **Nathan Dunfield**, University of Illinois at Urbana–Champaign; Member, School of Mathematics

November 24
Computer Science/Discrete Mathematics Seminar II ✦ *General Systems of Linear Forms: Equidistribution and True Complexity* ✦ **Pooya Hatami**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *Hausdorff Dimension of Kleinian Group Uniformization of Riemann Surface and Conformal Rigidity* ✦ **Yong Hou**, Princeton University; Visitor, School of Mathematics

November 25
Joint IAS/Princeton University Number Theory Seminar ✦ *Several Non-archimedean Variables, Isolated Periodic Points, and Zhang's Conjecture* ✦ **Alon Levy**, KTH Royal Institute of Technology, Stockholm

November 30
Computer Science/Discrete Mathematics Seminar I ✦ *Lower Bounds on the Size of Semidefinite Programming Relaxations* ✦ **David Steurer**, Cornell University

Members' Seminar ✦ *Billiards in Quadrilaterals, Hurwitz Spaces, and Real Multiplication of Hecke Type* ✦ **Alexander Wright**, Member, School of Mathematics

December 1
Computer Science/Discrete Mathematics Seminar II ✦ *Rigidity of Random Toeplitz Matrices with an Application to Depth Three Circuits* ✦ **Avishay Tal**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *Volume and Homology for Hyperbolic 3-Orbifolds, and the Enumeration of Arithmetic Groups I* ✦ **Peter Shalen**, University of Illinois at Chicago ✦ *Volume and Homology for Hyperbolic 3-Orbifolds, and the Enumeration of Arithmetic Groups II* ✦ **Peter Shalen**, University of Illinois at Chicago

December 2
Princeton University Mathematics Department Colloquium ✦ *Veering Triangulations and Pseudo-Anosov Flows* ✦ **Ian Agol**, University of California, Berkeley; Distinguished Visiting Professor, School of Mathematics

Mathematical Conversations ✦ *Limitations for Hilbert's Tenth Problem over the Rationals* ✦ **Héctor Pastén Vásquez**, Member, School of Mathematics

December 3
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Generating Series of Arithmetic Divisors in Unitary Shimura Varieties* ✦ **Tonghai Yang**, University of Wisconsin–Madison

December 4
Princeton/IAS Symplectic Geometry Seminar ✦ *Point-Like Bounding Chains in Open Gromov-Witten Theory* ✦ **Sara Tukachinsky**, The Hebrew University of Jerusalem

Joint IAS/Princeton University Number Theory Seminar ✦ *Arithmetic of Double Torus Quotients and the Distribution of Periodic Torus Orbits* ✦ **Ilya Khayutin**, The Hebrew University of Jerusalem

December 7
Workshop on Flows, Foliations, and Contact Structures

Computer Science/Discrete Mathematics Seminar I ✦ *Bias vs. Low Rank of Polynomials with Applications to List Decoding and Effective Algebraic Geometry* ✦ **Abhishek Bhowmick**, The University of Texas at Austin

December 8
Workshop on Flows, Foliations, and Contact Structures

Computer Science/Discrete Mathematics Seminar II ✦ *Ramanujan Coverings of Graphs* ✦ **Doron Puder**, Member, School of Mathematics

December 9
Workshop on Flows, Foliations, and Contact Structures

December 10
Workshop on Flows, Foliations, and Contact Structures

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *The First Order Theory of Meromorphic Functions* ✦ **Héctor Pastén Vásquez**, Member, School of Mathematics

December 11
Workshop on Flows, Foliations, and Contact Structures

December 14
Computer Science/Discrete Mathematics Seminar I ✦ *Toward the KRW Conjecture: Cubic Lower Bounds via Communication Complexity* ✦ **Or Meir**, University of Haifa

Members' Seminar ✦ *Locally Symmetric Spaces and Torsion Classes* ✦ **Ana Caraiani**, Princeton University; Veblen Research Instructor, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *Quasi-Fuchsian Surfaces in Finite-Volume Hyperbolic 3-Manifolds* ✦ **Daryl Cooper**, University of California, Santa Barbara; Member, School of Mathematics

December 17
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Modularity and Potential Modularity Theorems in the Function Field Setting* ✦ **Michael Harris**, Columbia University

Joint IAS/Princeton University Number Theory Seminar ✦ *Decoupling in Harmonic Analysis and the Vinogradov Mean Value Theorem* ✦ **Jean Bourgain**, IBM von Neumann Professor; School of Mathematics

December 18
Princeton/IAS Symplectic Geometry Seminar ✦ *Absolute vs. Relative Gromov-Witten Invariants* ✦ **Mohammad Tehrani**, Stony Brook University, The State University of New York

January 12
Computer Science/Discrete Mathematics Seminar II ✦ *Anti-concentration: Results and Applications* ✦ **Hoi Nguyen**, The Ohio State University; von Neumann Fellow, School of Mathematics

January 13
Mathematical Conversations ✦ *Combinatorics to Geometry to Arithmetic of Circle Packings* ✦ **Alex Kontorovich**, Rutgers, The State University of New Jersey; Member, School of Mathematics

January 19
Computer Science/Discrete Mathematics Seminar II ✦ *Proof Complexity Lower Bounds from Algebraic Circuit Complexity* ✦ **Michael Forbes**, Visitor, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *Low-Dimensional Dynamics and Hyperbolic 3-Manifolds* ✦ **André de Carvalho**, Universidade de São Paulo

January 20
Mathematical Conversations ✦ *Heegaard Splittings and the Stabilization Problem for 3-Manifolds* ✦ **Abigail Thompson**, University of California, Davis; Member, School of Mathematics

January 21
Princeton/IAS Symplectic Geometry Seminar ✦ *From Symplectic Geometry to Combinatorics and Back* ✦ **Dan Cristofaro-Gardiner**, Harvard University

January 25
Short Talks by Postdoctoral Members ✦ *Topics between Combinatorics, Geometry, and Algebra* ✦ **Karim Alexander Adiprasito**, Member,

School of Mathematics ✦ *Affine Springer Fibers and Representation Theory* ✦ **Cheng-Chiang Tsai**, Member, School of Mathematics

January 26
Geometric Structures on 3-Manifolds ✦ *Geometry of Complex Surface Singularities and 3-Manifolds* ✦ **Walter D. Neumann**, Columbia University; Member, School of Mathematics

February 1
Computer Science/Discrete Mathematics Seminar I ✦ *Constant-Round Interactive-Proofs for Delegating Computations* ✦ **Ron Rothblum**, Massachusetts Institute of Technology

Members' Seminar ✦ *The Space of Surface Shapes and Some Applications to Biology* ✦ **Joel Hass**, University of California, Davis; Member, School of Mathematics

February 2
Computer Science/Discrete Mathematics Seminar II ✦ *Constant-Round Interactive-Proofs for Delegating Computations (continued)* ✦ **Ron Rothblum**, Massachusetts Institute of Technology

Geometric Structures on 3-Manifolds ✦ *Profinite Rigidity and Flexibility for Compact 3-Manifold Groups* ✦ **Alan Reid**, The University of Texas at Austin; Member, School of Mathematics

February 4
Princeton/IAS Symplectic Geometry Seminar ✦ *Floer Theory Revisited* ✦ **Mohammed Abouzaid**, Columbia University

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Cycles on the Moduli of Shtukas and Taylor Coefficients of L-Functions* ✦ **Wei Zhang**, Columbia University

February 5
Mathematical Conversations ✦ *Computer Algebra Systems, Formal Proofs, and Interactive Theorem Proving* ✦ **Anders Mörtberg**, Member, School of Mathematics

February 8
Computer Science/Discrete Mathematics Seminar I ✦ *Bipartite Perfect Matching Is in Quasi-NC* ✦ **Stephen Fenner**, University of South Carolina

Members' Seminar ✦ *The Singularity of Symbolic Matrices* ✦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Special Analysis/Number Theory Seminar ✦ *Variance of Sums of Arithmetic Functions over Primes in Short Intervals* ✦ **Jon Keating**, University of Bristol

February 9
Computer Science/Discrete Mathematics Seminar II ✦ *The Singularity of Symbolic Matrices* ✦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *Obstructions to Minimal Fibrations of Hyperbolic 3-Manifolds* ✦ **Joel Hass**, University of California, Davis; Member, School of Mathematics

February 10
Mathematical Conversations ✦ *Hyperbolicity in Dynamics* ✦ **Steven Frankel**, Member, School of Mathematics

February 11
Augmentations and Legendrians at the IAS ✦ *Restrictions on the Fundamental Group of Some Lagrangian Cobordisms* ✦ **Baptiste Chantraine**, Université de Nantes

Augmentations and Legendrians at the IAS ✦ *Toward a Contact Fukaya Category* ✦ **Lenny Ng**, Duke University ✦ *Satellite Operations and Legendrian Knot Theory* ✦ **John Etnyre**, Georgia Institute of Technology; Member, School of Mathematics

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Statistics of Abelian Varieties over Finite Fields* ✦ **Michael Lipnowski**, Duke University

February 12
Augmentations and Legendrians at the IAS ✦ *A Frontal View on Lefschetz Fibrations I* ✦ **Emmy Murphy**, Massachusetts Institute of Technology ✦ *A Frontal View on Lefschetz Fibrations II* ✦ **Roger Casals**, Massachusetts Institute of Technology ✦ *A Quantitative Look at Lagrangian Cobordisms* ✦ **Lisa Traynor**, Bryn Mawr College; Member, School of Mathematics

February 15
Geometric Structures on 3-Manifolds ✦ *Minimal Surfaces in 3-Manifold Topology* ✦ **Dan Ketover**, Imperial College London

February 16
Computer Science/Discrete Mathematics Seminar II ✦ *The Singularity of Symbolic Matrices* ✦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

February 17
Mathematical Conversations ✦ *Quantum Chaos and Eigenvalue Statistics* ✦ **Zeev Rudnick**, Tel Aviv University; Member, School of Mathematics

February 18
Princeton/IAS Symplectic Geometry Seminar ✦ *Spectral Invariants for Contactomorphisms of Prequantization Bundles and Applications* ✦ **Frol Zapolsky**, University of Haifa

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Vanishing Cycles and Bilinear Forms* ✦ **Will Sawin**, Princeton University

February 22
Computer Science/Discrete Mathematics Seminar I ✦ *The Deterministic Communication Complexity of Approximate Fixed Point* ✦ **Omri Weinstein**, New York University

Members' Seminar ✦ *Mock and Quantum Modular Forms* ✦ **Amanda Folsom**, Amherst College; von Neumann Fellow, School of Mathematics

February 23
Computer Science/Discrete Mathematics Seminar II ✦ *Minkowski Sums, Mixed Faces, and Combinatorial Isoperimetry* ✦ **Karim Alexander Adiprasito**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *Free Group Cayley Graph and Measure Decompositions* ✦ **Yong Hou**, Princeton University; Visitor, School of Mathematics

Analysis Seminar ✦ *Stochastic Quantization Equations* ✦ **Hao Shen**, Columbia University

February 24
Analysis Seminar ✦ *Global Existence and Convergence of Solutions to Gradient Systems and Applications to Yang-Mills Flow* ✦ **Paul Feehan**, Rutgers, The State University of New Jersey; Member, School of Mathematics

February 25
Princeton/IAS Symplectic Geometry Seminar ✦ *Positive Loops—On a Question by Eliashberg-Polterovich and a Contact Systolic Inequality* ✦ **Peter Albers**, Universität Münster

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Euler Systems for Rankin-Selberg Convolutions and Generalisations* ✦ **Sarah Zerbes**, University College London

February 29
Computer Science/Discrete Mathematics Seminar I ✦ *Graph Isomorphism in Quasipolynomial Time I* ✦ **László Babai**, The University of Chicago

Members' Seminar ✦ *Word Measures on Unitary Groups* ✦ **Doron Puder**, Member, School of Mathematics

March 1
Computer Science/Discrete Mathematics Seminar II ✦ *Graph Isomorphism in Quasipolynomial Time II* ✦ **László Babai**, The University of Chicago

Geometric Structures on 3-Manifolds ✦ *Morse Index and Multiplicity of Min-Max Minimal Hypersurfaces* ✦ **Fernando Codá Marques**, Princeton University

March 2
Analysis Seminar ✦ *Supersymmetric Approach to Random Band Matrices* ✦ **Tatyana Shcherbyna**, Member, School of Mathematics

Mathematical Conversations ✦ *Totally Geodesic Surfaces in Hyperbolic 3-Manifolds* ✦ **Alan Reid**, The University of Texas at Austin; Member, School of Mathematics

March 3
Princeton/IAS Symplectic Geometry Seminar ✦ *Subflexible Symplectic Manifolds* ✦ **Kyler Siegel**, Stanford University

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Density of Polynomials with Squarefree Discriminant* ✦ **Jerry Wang**, Princeton University

March 4
Joint IAS/Princeton University Number Theory Seminar ✦ *The Asymptotic Behavior of Sup Norms of Maass Forms* ✦ **Simon Marshall**, University of Wisconsin–Madison

March 7
Computer Science/Discrete Mathematics Seminar I ✦ *Almost Optimal Sum of Squares Lower Bound for Planted Clique* ✦ **Pravesh Kothari**, The University of Texas at Austin

March 8
Computer Science/Discrete Mathematics Seminar II ✦ *Fast Learning Requires Good Memory: A Time-Space Lower Bound for Parity Learning* ✦ **Ran Raz**, Weizmann Institute of Science; Visiting Professor, School of Mathematics

Analysis Seminar ✦ *The Hidden Landscape of Localization of Eigenfunctions* ✦ **Svitlana Mayboroda**, University of Minnesota

Geometric Structures on 3-Manifolds ✦ *Proper Affine Actions of Right-Angled Coxeter Groups* ✦ **Jeffrey Danciger**, The University of Texas at Austin

March 9
Mathematical Conversations ✦ *Where a Surface Is Determined by Its Boundary: The World of Lagrangian Fillings of Legendrian Knots* ✦ **Lisa Traynor**, Bryn Mawr College; Member, School of Mathematics

March 10
Princeton/IAS Symplectic Geometry Seminar ✦ *Homological Mirror Symmetry for Singularities of Type T_{pqr}* ✦ **Ailsa Keating**, Columbia University

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Iwasawa Theory for the Symmetric Square of a Modular Form* ✦ **David Loeffler**, University of Warwick

March 14
Computer Science/Discrete Mathematics Seminar I ✦ *Lower Bounds for Homogeneous Depth-5 Arithmetic Circuits over Finite Fields* ✦ **Mrinal Kumar**, Rutgers, The State University of New Jersey

March 15
Computer Science/Discrete Mathematics Seminar II ✦ *Proof Complexity—An Introduction* ✦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Analysis Seminar ✦ *Topology of the Set of Singularities of Viscosity Solutions of the Hamilton-Jacobi Equation* ✦ **Albert Fathi**, École Normale Supérieure de Lyon

Hermann Weyl Lectures ✦ *Weyl Groups, and Their Generalizations, in Enumerative Geometry I* ✦ **Andrei Okounkov**, Columbia University

March 16
Analysis Seminar ✦ *Local Eigenvalue Statistics for Random Regular Graphs* ✦ **Roland Bauerschmidt**, Harvard University

Hermann Weyl Lectures ✦ *Weyl Groups, and Their Generalizations, in Enumerative Geometry II* ✦ **Andrei Okounkov**, Columbia University

Mathematical Conversations ✦ *p-adic Numbers in Cryptography and Data Compression* ✦ **Mark Goresky**, Member, School of Mathematics

March 17
Hermann Weyl Lectures ✦ *Weyl Groups, and Their Generalizations, in Enumerative Geometry III* ✦ **Andrei Okounkov**, Columbia University

March 18
Geometric Structures on 3-Manifolds ✦ *Counting Closed Orbits of Anosov Flows in Free Homotopy Classes* ✦ **Sergio Fenley**, Florida State University; Visitor, School of Mathematics

March 21
Computer Science/Discrete Mathematics Seminar I ✦ *Polynomial-Time Tensor Decompositions via Sum-of-Squares* ✦ **Tengyu Ma**, Princeton University

Members' Seminar ✦ *An Introduction to the abc Conjecture* ✦ **Héctor Pastén Vásquez**, Member, School of Mathematics

Symplectic Geometry Seminar ✦ *Stable Homotopy Theory and Floer Theory* ✦ **Thomas Kragh**, Uppsala University

March 22
Computer Science/Discrete Mathematics Seminar II ✦ *The Resolution Proof System* ✦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *Slowly Converging Pseudo-Anosovs* ✦ **Mark Bell**, University of Illinois at Urbana–Champaign

March 23
Analysis Seminar ✦ *Universality for Random Matrices Beyond Mean Field Models* ✦ **Paul Bourgade**, New York University

March 24
Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Low-Lying, Fundamental, Reciprocal Geodesics* ✦ **Alex Kontorovich**, Rutgers, The State University of New Jersey; Member, School of Mathematics

March 25
Mathematical Conversations ✦ *Conversations on Schubert's "Wandererfantasie"* ✦ **Valentin Blomer**, Georg-August-Universität Göttingen; von Neumann Fellow, School of Mathematics

March 28
Workshop on Thin Groups and Super Approximation

Computer Science/Discrete Mathematics Seminar I ✦ *A Local Central Limit Theorem for Triangles in a Random Graph* ✦ **Swastik Kopparty**, Rutgers, The State University of New Jersey

March 29
Workshop on Thin Groups and Super Approximation

March 30
Workshop on Thin Groups and Super Approximation

Mathematical Conversations ✦ *What Is the Fukaya Category?* ✦ **Octav Cornea**, Université de Montréal; Member, School of Mathematics

March 31
Workshop on Thin Groups and Super Approximation

Working Group on Algebraic Number Theory

Princeton/IAS Symplectic Geometry Seminar ✦ *Cellular Homology, Augmentations, and Generating Families for Legendrian Surfaces* ✦ **Michael Sullivan**, University of Massachusetts

Joint IAS/Princeton University Number Theory Seminar ✦ *Lambda-adic Waldspurger Packets* ✦ **Vinayak Vatsal**, The University of British Columbia

April 1

Workshop on Thin Groups and Super Approximation

Princeton/IAS/Columbia Symplectic Geometry Seminar ✦ *Log Canonical Threshold and Floer Homology of the Monodromy* ✦ **Mark McLean**, Stony Brook University, The State University of New York ✦ *Infinitely Many Monotone Lagrangian Tori in Del Pezzo Surfaces* ✦ **Renato Vianna**, University of Cambridge

April 4

Computer Science/Discrete Mathematics Seminar I ✦ *An Average-Case Depth Hierarchy Theorem for Boolean Circuits I* ✦ **Li-Yang Tan**, Toyota Technological Institute at Chicago Members' Seminar ✦ *Knot Surgery and Heegaard Floer Homology* ✦ **Jennifer Hom**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *The Solution to the Sphere Packing Problem in 24 Dimensions via Modular Forms* ✦ **Stephen Miller**, Rutgers, The State University of New Jersey

April 5

Computer Science/Discrete Mathematics Seminar II ✦ *An Average-Case Depth Hierarchy Theorem for Boolean Circuits II* ✦ **Li-Yang Tan**, Toyota Technological Institute at Chicago

Geometric Structures on 3-Manifolds ✦ *Collapsing Hyperbolic Structures: From Rigidity to Flexibility and Back* ✦ **Steve Kerckhoff**, Stanford University

April 6

Analysis Seminar ✦ *Quantum Yang-Mills Theory in Two Dimensions: Exact vs. Perturbative* ✦ **Timothy Nguyen**, Michigan State University

Mathematical Conversations ✦ *Entrance Path Category of a Stratified Space* ✦ **Amit Patel**, Member, School of Mathematics

April 7

Princeton/IAS Symplectic Geometry Seminar ✦ *Stein Fillings of Cotangent Bundles of Surfaces* ✦ **Jeremy van Horn Morris**, University of Arkansas ✦ *Classification Results for Two-Dimensional Lagrangian Tori* ✦ **Georgios Dimitroglou-Rizell**, University of Cambridge ✦ *Filtering the Heegaard-Floer Contact Invariant* ✦ **Gordana Matic**, University of Georgia

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Potential Automorphy of $\hat{G}$-Local Systems* ✦ **Jack Thorne**, University of Cambridge

April 9

Workshop on Topology: Identifying Order in Complex Systems ✦ *Volumes of the Basins of Attraction for Mechanically Stable Disk Packings* ✦ **Corey O'Hern**, Yale University ✦ *Towards a Homological Description of Nonlinear Dynamics* ✦ **Konstantin Mischaikow**, Rutgers, The State University of New Jersey ✦ *Metrics on the Space of Shapes, and Applications to Biology* ✦ **Joel Hass**, University of California, Davis; Member, School of Mathematics ✦ *A Topological Predictor of Protein Compressibility* ✦ **Vidit Nanda**, University of Pennsylvania

April 11

Members' Seminar ✦ *Applications of Thin Orbits* ✦ **Alex Kontorovich**, Rutgers, The State University of New Jersey; Member, School of Mathematics

April 12

Geometric Structures on 3-Manifolds ✦ *Veering Dehn Surgery* ✦ **Saul Schleimer**, University of Warwick

April 14

Working Group on Algebraic Number Theory

Geometric Structures on 3-Manifolds ✦ *A Graph Coloring Problem and Its Algebraic and Topological Consequences* ✦ **Daniel Wise**, McGill University and Technion–Israel Institute of Technology

Joint IAS/Princeton University Number Theory Seminar ✦ *Optimal Strong Approximation for Quadratic Forms* ✦ **Naser Talebizadeh Sardari**

April 15

Princeton/IAS Symplectic Geometry Seminar ✦ *Symplectic Embeddings and Infinite Staircases* ✦ **Ana Rita Pires**, Fordham University

April 19

Computer Science/Discrete Mathematics Seminar II ✦ *A Characterization of Functions with Vanishing Averages over Products of Disjoint Sets* ✦ **Pooya Hatami**, Member, School of Mathematics

Analysis Seminar ✦ *Spectral Gaps via Additive Combinatorics* ✦ **Semyon Dyatlov**, Massachusetts Institute of Technology ✦ *On the Number of Nodal Domains of Toral Eigenfunctions* ✦ **Igor Wigman**, King's College London

April 20

Geometric Structures on 3-Manifolds ✦ *Meridional Essential Surfaces of Unbounded Euler Characteristics in Knot Complements* ✦ **João Nogueira**, Universidade de Coimbra

April 21

Princeton/IAS Symplectic Geometry Seminar ✦ *A Heegaard Floer Analog of Algebraic Torsion* ✦ **Cagatay Kutluhan**, University at Buffalo, The State University of New York; von Neumann Fellow, School of Mathematics

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Standard Conjecture of Künneth Type with Torsion Coefficients* ✦ **Junecue Suh**, University of California, Santa Cruz

April 25

Analysis Seminar ✦ *Exponential Convergence to the Maxwell Distribution of Solutions of Spatially Inhomogenous Boltzmann Equations* ✦ **Gang Zhou**, California Institute of Technology

April 26

Computer Science/Discrete Mathematics Seminar II ✦ *Reed-Muller Codes for Random Erasures and Errors* ✦ **Amir Shpilka**, Tel Aviv University

April 27

Analysis Seminar ✦ *Random Data Cauchy Theory for Some Nonlinear Wave Equations* ✦ **Dana Mendelson**, Member, School of Mathematics ✦ *On the Kinetic Fokker-Planck Equation in Bounded Domains* ✦ **Juhi Jang**, University of Southern California; von Neumann Fellow, School of Mathematics

April 28

Princeton/IAS Symplectic Geometry Seminar ✦ *Small Symplectic and Exotic 4-Manifolds via Positive Factorizations* ✦ **R. İnanç Baykur**, University of Massachusetts

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ✦ *Variation of Canonical Height, Illustrated* ✦ **Laura de Marco**, Northwestern University

May 3

Computer Science/Discrete Mathematics Seminar II ✦ *Fourier Tails for Boolean Functions and Their Applications* ✦ **Avishay Tal**, Member, School of Mathematics

Geometric Structures on 3-Manifolds ✦ *NonLERFness of Groups of Certain Mixed 3-Manifolds and Arithmetic Hyperbolic n-Manifolds* ✦ **Hongbin Sun**, University of California, Berkeley

May 4

Analysis Seminar ✦ *The Minimum Modulus Problem for Covering Systems* ✦ **Robert Daniel Hough**, Member, School of Mathematics

May 5

Joint IAS/Princeton University Number Theory Seminar ✦ *Rational Curves on Elliptic Surfaces* ✦ **Douglas Ulmer**, Georgia Institute of Technology

May 6

Celebrating Emmy Noether ✦ *Symmetry and Conservation Laws: Noether's Contribution to Physics* ✦ **Karen Uhlenbeck**, The

University of Texas at Austin; Visitor, School of Mathematics ✦ *Emmy Noether: Breathtaking Mathematics* ✦ **Georgia Benkart**, University of Wisconsin–Madison

May 10
2016 Women and Mathematics

Joint IAS/Princeton University Number Theory Seminar ✦ *On the Hilbert Property and the Fundamental Group of Algebraic Varieties* ✦ **Umberto Zannier**, Scuola Normale Superiore di Pisa

May 11–13
2016 Women and Mathematics

May 16
2016 Women and Mathematics ✦ *Visit to Princeton University*

May 17–20
2016 Women and Mathematics

May 19
Joint IAS/Princeton University Number Theory Seminar ✦ *On p-Torsion in Class Groups of Number Fields* ✦ **Lillian Pierce**, Duke University

May 21–24
Analysis and Beyond: Celebrating Jean Bourgain's Work and Its Impact ✦ Organizers and Lecturers: **Peter Sarnak**, Professor, School of Mathematics; **Sergei Konyagin**, Moscow State University; **Alireza Salehi Golsefidy**, University of California, San Diego; **Alex Gamburd**, University of California, Santa Cruz; **Alex Kontorovich**, Institute for Advanced Study; **Tamar Ziegler**, The Hebrew University of Jerusalem; **Enrico Bombieri**, Professor Emeritus, School of Mathematics; **Terence Tao**, University of California, Los Angeles; **Larry Guth**, Massachusetts Institute of Technology; **Ciprian Demeter**, Indiana University; **Assaf Naor**, Princeton University; **Haim Brezis**, Rutgers, The State University of New Jersey; **Vitali Milman**, Tel Aviv University; **Gilles Pisier**, Texas A&M University; **Peter Sarnak**, Professor, School of Mathematics; **Gil Kalai**, The Hebrew University of Jerusalem; **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics; **Svetlana Jitomirskaya**, University of California, Irvine; **Wilhelm Schlag**, University of Chicago; **Gigliola Staffilani**, Massachusetts Institute of Technology; **Andrea Nahmod**, University of Massachusetts; **Carlos Kenig**, University of Chicago; **Péter Varjú**, University of Cambridge; **Elon Lindenstrauss**, The Hebrew University of Jerusalem; **Emmanuel Breuillard**, Université of Paris–Sud 11

May 26
Joint IAS/Princeton University Number Theory Seminar ✦ *Divisibility of Coefficients of Modular Forms* ✦ **Joel Bellaiche**, Brandeis University

June 17–18
Conference for African American Researchers in the Mathematical Sciences

School of Natural Sciences

ASTROPHYSICS ACTIVITIES

July 6
Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Fast, Accurate Predictions of Galaxy Auto and Cross Power Spectra with Cosmic Emulators* ✦ **Juliana Kwan**, University of Pennsylvania

September 15
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ✦ *The Gravity of Kepler Systems* ✦ **Eric Agol**, University of Washington

September 17
Astrophysics Informal Seminar ✦ *Superfluid Dark Matter* ✦ **Lasha Berezhiani**, Princeton University

September 22
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ✦ *Order Out of Chaos: Formation of Galaxies in a Hierarchical Universe* ✦ **Andrey Kravtsov**, The University of Chicago

September 28
Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Oscillations in the CMB Bispectrum —Theory and Data Analysis* ✦ **Moritz Münchmeyer**, Institut d'Astrophysique de Paris

September 29
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ✦ *New Insights into Stellar Interiors from Astero- seismology* ✦ **Lars Bildsten**, Kavli Institute for Theoretical Physics, University of California, Santa Barbara

October 1
Astrophysics Informal Seminar ✦ *Young Pulsars and the Galactic Center GeV Gamma-Ray Excess* ✦ **Ryan O'Leary**, University of Colorado

October 6
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ✦ *MINERVA-Red: An Intensive Survey for Planets Orbiting the Nearest Low-Mass Stars to the Sun* ✦ **Cullen Blake**, University of Pennsylvania

October 8
Astrophysics Informal Seminar ✦ *Tuning the Clock: Making Sense of Stellar Rotation Observed with Kepler* ✦ **Jennifer L. van Saders**, Carnegie Observatories, Carnegie Institution for Science

October 12
Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Helium Reionization Simulations: Seeing the Forest for the Trees* ✦ **Paul La Plante**, Carnegie Mellon University

October 13
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ✦ *The Macrophysics and Microphysics of Cosmic Rays* ✦ **Ellen Zweibel**, University of Wisconsin–Madison

October 15
Astrophysics Informal Seminar ✦ *New Tests of Not-So-Dark Matter* ✦ **Yacine Ali-Haïmoud**, Johns Hopkins University

October 20
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ✦ *Lonely Galaxies: The Baryon Content of Isolated Dwarf Galaxies* ✦ **Marla Geha**, Yale University

October 22
Astrophysics Informal Seminar ✦ *Probing the Primordial Universe with Large-Scale Structure* ✦ **Valentin Assassi**, Institute for Advanced Study; Member, School of Natural Sciences

October 26
Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Modelling the Large Scale Structure with and without Massive Neutrinos* ✦ **Elena Massara**, Scuola Internazionale Superiore di Studi Avanzati

October 27
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ✦ *The Surprisingly Dynamic Last Years in the Lives of Massive Stars* ✦ **Eliot Quataert**, University of California, Berkeley

October 29
Astrophysics Informal Seminar ✦ *Looking for Dark Matter in the Neutrino Sector: A Tale of Weak Interactions in the Strong Coupling Epoch* ✦ **Tejaswi Venumadhav Nerella**, Institute for Advanced Study; Member, School of Natural Sciences

November 2
Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Cosmology Constraints from Weak Lensing Non-Gaussian Statistics* ✦ **Jia Liu**, Columbia University

November 3

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ◆ *Nu Physics in the CMB* ◆ **Daniel Green**, Canadian Institute for Theoretical Astrophysics

November 5

Astrophysics Informal Seminar ◆ *Mapping the Circumgalactic Medium: The Origin and Structure of the Hidden Reservoir of Gas Around Galaxies* ◆ **Rongmon Bordoloi**, Massachusetts Institute of Technology

November 10

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ◆ *Climate Dynamics of Condensible-Rich Exoplanet Atmospheres* ◆ **Ray Pierrehumbert**, University of Oxford

November 12

Astrophysics Informal Seminar ◆ *Surprises in Relativistic Simulations of Compact Object Binaries Involving Neutron Stars* ◆ **Vasileios Paschalidis**, Princeton University

November 16

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *On Improving the Models of Cosmic Reionization* ◆ **Alexander Kaurov**, The University of Chicago

November 17

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ◆ *The Social Life of Spacecraft: How Socio-Technical Organization Matters in Scientific Work* ◆ **Janet Vertesi**, Princeton University

November 19

Astrophysics Informal Seminar ◆ *Why are Quasars Not Just Scaled-Up Black Hole X-Ray Binaries?* ◆ **Shane Davis**, University of Virginia

November 24

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ◆ *Stellar Forensics with Explosions: Supernovae, Gamma-Ray Bursts, and Their Environments* ◆ **Maryam Modjaz**, New York University

November 30

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *A Direct Measurement of Tomographic Lensing Power Spectra from CFHTLenS* ◆ **Fabian Köhlinger**, Universiteit Leiden

December 1

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ◆ *Forming Massive Galaxies* ◆ **Pieter van Dokkum**, Yale University

December 3

Astrophysics Informal Seminar ◆ *The Unhealthy Lives of Companions to Millisecond Pulsars* ◆ **E. Sterl Phinney**, California Institute of Technology

December 8

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ◆ *Cosmological Calorimetry: The Nature of the Intergalactic Medium and the Photon Underproduction Crisis* ◆ **Juna Kollmeier**, Carnegie Observatories, Carnegie Instititution of Science; Junior Visiting Professor, School of Natural Sciences

December 10

Astrophysics Informal Seminar ◆ *Interaction of Exoplanet Upper Atmospheres with Stellar Radiation and Winds* ◆ **Phil Arras**, University of Virginia

December 14

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *The Sunyaev-Zel'dovich Effect Associated with Quasar Feedback* ◆ **Devin Crichton**, Johns Hopkins University ◆ *Hemispherical Asymmetry and its Cosmological Implications* ◆ **Suvodip Mukherjee**, Inter–University Centre for Astronomy and Astrophysics

December 15

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ◆ *Crash, Boom, Bang: Giant Impacts and the Formation of Planets at Home and Abroad* ◆ **Hilke Schlichting**, Massachusetts Institute of Technology

January 14

Astrophysics Informal Seminar ◆ *Sweating the Small Stuff: Simulating Dwarf Galaxies, Ultra-Faint Dwarf Galaxies, and Their Own Tiny Satellites* ◆ **Coral Wheeler**, University of California, Irvine

January 19

Astrophysics Informal Seminar ◆ *The Long-Term Evolution of Hierarchical Systems* ◆ **Adrian Hamers**, Universiteit Leiden

January 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *CHIME: The Canadian Hydrogen Intensity Mapping Experiment* ◆ **Kendrick Smith**, Perimeter Institute for Theoretical Physics

February 4

Astrophysics Informal Seminar ◆ *Observational Tests of SN Ia Explosion Models in a Paradigm Shift* ◆ **Subo Dong**, Kavli Institute for Astronomy and Astrophysics at Peking University

February 8

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *Evidence for the kSZ Effect with ACTPol and BOSS: Probing Baryon Physics in Galaxy Groups and Clusters* ◆ **Emmanuel Schaan**, Princeton University

February 11

Astrophysics Informal Seminar ◆ *Dark Hydrogen with Hyperfine Interactions* ◆ **Kimberly Boddy**, University of Hawai'i at Mānoa

February 18

Astrophysics Informal Seminar ◆ *Stellar Dynamics around a Massive Black Hole* ◆ **Ben Bar-Or**, Institute for Advanced Study; Member, School of Natural Sciences

February 25

Astrophysics Informal Seminar ◆ *Circumgalactic Cosmology* ◆ **Masataka Fukugita**, The University of Tokyo

February 29

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *Large-Scale Structure Constraints with Controlled Theoretical Uncertainties* ◆ **Marko Simonović**, Institute for Advanced Study; Member, School of Natural Sciences

March 3

Astrophysics Informal Seminar ◆ *Fire and Ice: The Role of Energetic Processes in the Cold Chemistry of Protoplanetary Disks* ◆ **Ilse Cleeves**, Harvard–Smithsonian Center for Astrophysics

March 14

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *CMB-S4 Discussion* ◆ **Erminia Calabrese** and **Nicholas Battaglia**, Princeton University, and **Vera Gluscevic**, Institute for Advanced Study; Member, School of Natural Sciences

March 17

Astrophysics Informal Seminar ◆ *Warm Circumstellar Debris Disks: Diagnosing the Unseen Perturber* ◆ **Erika Nesvold**, Carnegie Institution for Science

March 24

Astrophysics Informal Seminar ◆ *Probing the Inner Accretion Flow of Supermassive Black Holes with X-Ray Reverberation Mapping* ◆ **Erin Kara**, University of Maryland

March 28

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ◆ *Mapping Merging Clusters with Weak Lensing* ◆ **Elinor Medezinski**, Princeton University

March 31

Astrophysics Informal Seminar ✦ *Evidence for Excess Dark Matter at the Galactic Plane* ✦ **Nir Shaviv**, The Hebrew University of Jerusalem

April 11

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Peaks, Exclusion, and the BAO Scale* ✦ **Tobias Baldauf**, Institute for Advanced Study; Member, School of Natural Sciences

April 14

Astrophysics Informal Seminar ✦ *CMB Spectral Distortions within LCDM* ✦ **Jens Chluba**, The University of Manchester

April 21

Astrophysics Informal Seminar ✦ *Transiting Circumplanetary Disks* ✦ **Eric Mamajek**, University of Rochester

April 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *BH Binaries From Early Universe and LIGO* ✦ **Takamitsu Tanaka**, Stony Brook University, The State University of New York

May 12

Astrophysics Informal Seminar ✦ *Quasinormal Modes Beyond Kerr Black Holes* ✦ **Aaron Zimmerman**, Canadian Institute for Theoretical Astrophysics

May 19

Astrophysics Informal Seminar ✦ *Gravitational Lensing of Transient Events* ✦ **Liang Dai**, Institute for Advanced Study; Member, School of Natural Sciences

May 9

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Cosmological Constraints from a Joint Analysis of CMB Lensing and Galaxy Density* ✦ **Cyrille Doux**, Laboratoire AstroParticule et Cosmologie, Université Paris Diderot

June 2

Astrophysics Informal Seminar ✦ *The Lyman-Alpha Forest and DLAs: Probes to Large-Scale Structure and Galaxy Formation* ✦ **Jordi Miralda-Escude**, Universitat de Barcelona

June 16

Astrophysics Special Talk ✦ *Paul Dirac: The Theorist's Theorist* ✦ **Graham Farmelo**, University of Cambridge

June 27

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ✦ *Dark Energy from 21cm Intensity Mapping: the BINGO Telescope* ✦ **Elisa Ferreira**, McGill University

HIGH ENERGY THEORY ACTIVITIES

September 11

High Energy Theory Seminar ✦ *6d (2,0) Theories from the Ground Up* ✦ **Clay Cordova**, Institute for Advanced Study; Long-term Member, School of Natural Sciences

September 16

Physics Group Meeting ✦ *Euclidean Wormholes* ✦ Discussion group led by **Juan Maldacena**, Carl P. Feinberg Professor, School of Natural Sciences

September 21

High Energy Theory Seminar ✦ *A Simple Model of Quantum Holography* ✦ **Alexei Y. Kitaev**, California Institute of Technology

September 23

Physics Group Meeting ✦ *Kitaev's Model and AdS2* ✦ Discussion group led by **Douglas Stanford**, Institute for Advanced Study; Long-term Member, School of Natural Sciences

September 25

High Energy Theory Seminar ✦ *Topologically Twisted Index and Casson-Walker Invariant* ✦ **Pavel Putrov**, Institute for Advanced Study; Member, School of Natural Sciences

September 30

Physics Group Meeting ✦ *Fluid Dynamics as an Effective Field Theory—Recent Progress and Open Problems* ✦ Discussion group led by **Loganayagam Ramalingam**, Institute for Advanced Study; Member, School of Natural Sciences

October 5

High Energy Theory Seminar ✦ *Soft Dilaton Theorems* ✦ **Rutger Boels**, Deutsches Elektronen-Synchrotron (DESY), Universität Hamburg

October 7

Physics Group Meeting ✦ *The Cosmological Constant and the String Landscape* ✦ General Discussion

October 9

High Energy Theory Seminar ✦ *Fermion Path Integrals and Topological Phases* ✦ **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences

October 14

Physics Group Meeting ✦ *Mysteries in the Conformal Bootstrap* ✦ Discussion group led by **David Poland**, Junior Visiting Professor, School of Natural Sciences

October 19

High Energy Theory Seminar ✦ *A Cosmological Solution to the Hierarchy Problem* ✦ **David Kaplan**, Johns Hopkins University

October 21

Physics Group Meeting ✦ *The BMS Group* ✦ Discussion group led by **Aron Wall**, Institute for Advanced Study; Member, School of Natural Sciences

October 23

High Energy Theory Seminar ✦ *A Perfect Bounce* ✦ **Neil Turok**, Perimeter Institute for Theoretical Physics

October 28

Physics Group Meeting ✦ *The Second Run of the LHC* ✦ Discussion group led by **Raffaele Tito D'Agnolo**, Member, School of Natural Sciences

November 2

High Energy Theory Seminar ✦ *Gravity Dual of Relative Entropy* ✦ **Nima Lashkari**, Massachusetts Institute of Technology

November 4

Physics Group Meeting ✦ *Anomalies, Conformal Manifolds, and Spheres* ✦ Discussion group led by **Nathan Seiberg**, Professor, School of Natural Sciences

November 11

Physics Group Meeting ✦ *Aspects of BPS Particles* ✦ Discussion group led by **Clay Cordova**, Institute for Advanced Study; Long-term Member, School of Natural Sciences,

November 12

Phenomenology Seminar ✦ *Discovering or Falsifying sub-GeV Thermal Dark Matter* ✦ **Gordan Krnjaic**, Fermilab

November 16

High Energy Theory Seminar ✦ *New Area Law in General Relativity (and Beyond)* ✦ **Netta Engelhardt**, University of California, Santa Barbara

November 18

Physics Group Meeting ✦ *Supersymmetric Operator Algebras* ✦ Discussion group led by **Christopher John Beem**, Institute for Advanced Study; Member, School of Natural Sciences

November 20

High Energy Theory Seminar ✦ *Entanglement, Spacetime, and Quantum Error Correction* ✦ **Xi Dong**, Institute for Advanced Study; Member, School of Natural Sciences

November 25

Physics Group Meeting ✦ *On the Uniqueness of String Theory* ✦ Discussion group led by **Nima Arkani-Hamed**, Professor, School of Natural Sciences

November 30

High Energy Theory Seminar ✦ *Signs of Hope: A Few LHC Run I Results to Watch for Run II* ✦ **Maurizio Pierini**, CERN

December 4

High Energy Theory Seminar ✦ *Bulk Energy Conditions from Relative Entropy and Comments on Bulk Reconstruction* ✦ **Jennifer Lin**, Institute for Advanced Study; Member, School of Natural Sciences

December 9

Physics Group Meeting ✦ *Charactering CFT's with Gravitational Description* ✦ Discussion group led by **Hirosi Ooguri**, California Institute of Technology; Visiting Professor, School of Natural Sciences

December 14

High Energy Theory Seminar ✦ *Chaos in Quantum Channels* ✦ **Daniel Roberts**, Massachusetts Institute of Technology

December 15

Pheno & Vino Seminar ✦ *New Directions in Searching for the Dark Universe* ✦ **Surjeet Rajendran**, University of California, Berkeley

December 16

Physics Group Meeting ✦ *Color-Kinematics in Scattering Amplitudes* ✦ Discussion group led by **John J. Carrasco**, Stanford University; Member, School of Natural Sciences

January 13

Physics Group Meeting ✦ *Perturbative String Scattering Amplitudes with the Pure Spinor Formalism* ✦ Discussion group led by **Carlos Mafra**, Institute for Advanced Study; Member, School of Natural Sciences

January 20

Physics Group Meeting ✦ *Soft Gravitons* ✦ Discussion group led by **Ellis Ye Yuan**, Institute for Advanced Study; Member, School of Natural Sciences

January 22

High Energy Theory Seminar ✦ *Possibilities for the 750 GeV Excess* ✦ **Matthew Low**, Institute for Advanced Study; Member, School of Natural Sciences

January 27

Physics Group Meeting ✦ *The Diphoton Excess and Physics Beyond the Standard Model* ✦ Discussion group led by **Nima Arkani-Hamed**, Professor, School of Natural Sciences

February 1

High Energy Theory Seminar ✦ *Landau Singularities and Symbology* ✦ **Marcus Spradlin**, Brown University

February 3

Physics Group Meeting ✦ *The Diphoton Excess and Physics Beyond the Standard Model (continued)* ✦ Discussion group led by **Nima Arkani-Hamed**, Professor, School of Natural Sciences

February 5

High Energy Theory Seminar ✦ *Tree and One-Loop Amplitudes from Scattering Equations* ✦ **Ellis Ye Yuan**, Institute for Advanced Study; Member, School of Natural Sciences

February 10

Physics Group Meeting ✦ *Entropy Bounds* ✦ Discussion group led by **Aron Wall**, Institute for Advanced Study; Member, School of Natural Sciences

February 11

Informal Phenomenology Seminar ✦ *Colliding into the Galaxy* ✦ **Philip Harris**, CERN

February 17

Physics Group Meeting ✦ *Entanglement and Gravity* ✦ Discussion group led by **Jennifer Lin**, Institute for Advanced Study; Member, School of Natural Sciences

February 19

High Energy Theory Seminar ✦ *Multiloop Scattering Amplitudes in String and Field Theory* ✦ **Carlos Mafra**, Institute for Advanced Study; Member, School of Natural Sciences

February 24

Physics Group Meeting ✦ *Gauged Linear Sigma Models, B-branes, and Hemispheres* ✦ Discussion group led by **Mauricio Romo**, Institute for Advanced Study; Member, School of Natural Sciences

February 29

High Energy Theory Seminar ✦ *On Information Loss in AdS3/CFT2* ✦ **Jared Kaplan**, Johns Hopkins University

March 2

Physics Group Meeting ✦ *Looking for a Bulk Point* ✦ Discussion group led by **David Simmons-Duffin**, Institute for Advanced Study; Long-term Member, School of Natural Sciences

March 4

High Energy Theory Seminar ✦ *B-brane Transport on (Non-)abelian Gauged Linear sigma Models* ✦ **Mauricio Romo**, Institute for Advanced Study; Member, School of Natural Sciences

March 9

Physics Group Meeting ✦ *Integration by Parts for Feynman Integrals* ✦ Discussion group led by **David Kosower**, CEA/Saclay; Member, School of Natural Sciences

March 14

High Energy Theory Seminar ✦ *Complexity Behind the Horizon* ✦ **Leonard Susskind**, Stanford University

March 16

Physics Group Meeting ✦ *ER=EPR and Copenhagen-Everett Duality* ✦ Discussion group led by **Leonard Susskind**, Stanford University

March 18

High Energy Theory Seminar ✦ *2d (0,2) Gauge Theories and Calabi-Yau 4-Fold Singularities* ✦ **Sangmin Lee**, Seoul National University; Member, School of Natural Sciences

March 17

Physics Group Meeting ✦ *Latest Announcements from CMS* ✦ General Discussion

March 23

Physics Group Meeting ✦ *Categorification of Chern-Simons Partition Function* ✦ Discussion group led by **Pavel Putrov**, Institute for Advanced Study; Member, School of Natural Sciences

March 28

High Energy Theory Seminar ✦ *Linearity of Holographic Entanglement Entropy* ✦ **Ahmed Almheiri**, Stanford University

March 30

Physics Group Meeting ✦ *Tensor Networks and Spacetime Geometry* ✦ General Discussion

April 1

High Energy Theory Seminar ✦ *Cross-Order Relations from Maximal Unitarity* ✦ **David Kosower**, CEA/Saclay; Member, School of Natural Sciences

April 6

Physics Group Meeting ✦ *Quantum Statistics and Spacetime Topology* ✦ Discussion group led by **Juven Chun-Fan Wang**, Institute for Advanced Study; Member, School of Natural Sciences

April 11

High Energy Theory Seminar ✦ *Charge-Vortex Duality and Dirac Fermions in (2+1)d* ✦ **Chong Wang**, Harvard University

April 13

Physics Group Meeting ✦ *Replica Symmetry Breaking* ✦ Discussion group led by **Dionysios Anninos**, Institute for Advanced Study; Member, School of Natural Sciences

April 20

Physics Group Meeting ✦ *Conformal Constraints on Defects* ✦ Discussion group led by **Abhijit Gadde**, Institute for Advanced Study; Member, School of Natural Sciences

April 25

High Energy Theory Seminar ✦ *Elliptic Calabi-Yau Manifolds and the F-Theory Landscape* ✦ **Washington Taylor**, Massachusetts Institute of Technology

April 27

Physics Group Meeting ✦ *Framed BPS States and Quantum Holonomies* ✦ Discussion group led by **Maxime Gabella**, Institute for Advanced Study; Member, School of Natural Sciences

April 29

Informal HET Seminar ✦ *High-Temperature Asymptotics of the 4d Superconfomal Index* ✦ **Arash Arabi Ardehali**, University of Michigan

April 29

High Energy Theory Seminar ✦ *Efficiency=Geometry? Decoding the DNA of Prediction in Gauge, Gravity, and Effective Field Theories* ✦ **John J. Carrasco**, Stanford University; Member, School of Natural Sciences

May 4

Physics Group Meeting ✦ *On Kevin Costello's Approach to Integrable Spin Systems* ✦ Discussion group led by **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences

May 11

Physics Group Meeting ✦ *Constraints on Electromagnetism from Quantum Gravity* ✦ Discussion group led by **Daniel Harlow**, Harvard University

May 13

High Energy Theory Seminar ✦ *Weinberg Soft Theorems from Weinberg Adiabatic Modes* ✦ **Marko Simonivić**, Institute for Advanced Study; Member, School of Natural Sciences

May 16

High Energy Theory Seminar ✦ *Effective Field Theory of Dissipative Fluids* ✦ **Hong Liu**, Massachusetts Institute of Technology

May 18

Physics Group Meeting ✦ *4d, N=3 Superconformal Theories* ✦ Discussion group led by **Sangmin Lee**, Seoul National University; Member, School of Natural Sciences

May 20

High Energy Theory Seminar ✦ *Scattering Amplitudes in Binary* ✦ **Nima Arkani-Hamed**, Professor, School of Natural Sciences

May 25

Physics Group Meeting ✦ *Discrete Liouville* ✦ Discussion group led by **Masahito Yamazaki**, Institute for Advanced Study; Member, School of Natural Sciences

June 1

Physics Group Meeting ✦ *String Theory Low Energy Expansion and M Theory Amplitudes* ✦ Discussion group led by **Arnab Rudra**, University of California, Davis

July 18–29

Prospects in Theoretical Physics: Computational Plasma Astrophysics

Organizers and Lecturers: **Michael Barnes**, University of Oxford; **Matthew Ericson**, *The New York Times*; **Charles Gammie**, University of Illinois at Urbana-Champaign; **Matthew Kunz**, Princeton University; **Luis Lehner**, Perimeter Institute for Theoretical Physics; **Robert Lupton**, Princeton University; **Tamara Munzner**, The University of British Columbia; **Eve Ostriker**, Princeton University; **Eliot Quataert**, University of California, Berkeley; **Anatoly Spitkovsky**, Princeton University; **Jim Stone**, Princeton University; **Alexander Tchekhovskoy**, University of California, Berkeley; **Peter Teuben**, University of Maryland; **Scott Tremaine**, Richard Black Professor, School of Natural Sciences; **Olindo Zanotti**, Università degli Studi di Trento; **John ZuHone**, Smithsonian Astrophysical Observatory; **Ellen Zweibel**, University of Wisconsin–Madison

THE SIMONS CENTER FOR SYSTEMS BIOLOGY ACTIVITIES

July 15

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ *Stochastic Thermodynamics of Interacting Motors* ✦ **Alberto Imparato**, Aarhus University

August 5

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ *Thermodynamics of Information Processing in Biology* ✦ **Pablo Sartori**, Max-Planck-Institut für Physik Komplexer Systeme

October 6

The Simons Center for Systems Biology Seminar ✦ *Survival of the Simplest or the Fastest* ✦ **Michael Lässig**, Universität zu Köln

October 7

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ *Aging in C. elegans: The Temporal Scaling of Lifespan Distributions* ✦ *Executable Knowledge* ✦ **Walter Fontana**, Harvard Medical School

October 9

Meeting with C. Denise Caldwell and Bradley Keister of NSF ✦ *Neural Interactions That Support Grid Cells* ✦ **Yasser Roudi**, Norwegian University of Science and Technology; Member, School of Natural Sciences ✦ *Predicting Influenza Evolution with Fitness Models* ✦ **Marta Luksza**, Columbia University; Research Associate, School of Natural Sciences ✦ *Applied Topology Informs Cellular Fate at a Single-Cell Level* ✦ **Pablo G. Camara**, Columbia University

October 14

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ *Population Dynamics of Reproducing Complex Systems* ✦ **Guy Bunin**, Massachusetts Institute of Technology

November 16

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ *Model of Immune Strategies* ✦ **Olivier Rivoire**, CNRS and Université Joseph Fourier (Grenoble 1)

December 2

Joshua Lederberg–John von Neumann Symposium ✦ *Multiple Timescales of Neuronal Computation* ✦ **Adrienne Fairhall**, University of Washington ✦ *Evolutionary Tradeoffs and the Geometry of Phenotype Space* ✦ **Uri Alon**, Weizmann Institute of Science ✦ *Navigating the Manifolds of the Brain* ✦ **Yasser Roudi**, Norwegian University of Science and Technology; Member, School of Natural Sciences ✦ *Tired with Phase Transitions* ✦ **Alessandro Treves**, Scuola Internazionale Superiore di Studi Avanzati, Trieste ✦ *Symmetry and Adaptation in C. elegans's Response to Touch* ✦ **Massimo Vergassola**, University of California, San Diego

December 3

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ **Mikhael Gromov**, New York University

December 9

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ *Evolution of Genomic Binding Landscapes by Global Selection* ✦ **Edo Kussell**, New York University

December 16

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ *Circuit Mechanisms for Flexible Sensory Processing in Drosophila* ✦ **Vanessa Ruta**, The Rockefeller University

January 6

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ **Sanjay Jain**, University of Delhi; Member, School of Natural Sciences

January 13

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology ✦ **Simone Pigolotti**, Universitat Politècnica de Catalunya

January 21

The Simons Center for Systems Biology Seminar ✦ *Applied Topology Reveals Developmental Progression at a Single-Cell Level* ✦ **Pablo G. Camara**, Columbia University

January 21

The Simons Center for Systems Biology Seminar ✦ *Interactive Visualization of 2-D Persistent Homology* ✦ **Michael Lesnick**, Princeton Neuroscience Institute, Princeton University

February 17

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ **Gaby Maimon**, The Rockefeller University

February 22

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Stochastic Gene Switches* ✦ **John Hertz**, Nordita, Stockholm

February 24

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Life's Engines: How Microbes Made Earth Habitable* ✦ **Paul G. Falkowski**, Rutgers, The State University of New Jersey; Visitor, School of Natural Sciences

February 24

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Hydrodynamics* and *Collective Behavior of Tethered Microbes* ✦ **Alex Petroff**, The Rockefeller University

March 2

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Belief Propagation and Dynamical Cavity Method for Kinetic Models* ✦ **Gino Del Ferraro**, KTH Royal Institute of Technology, Stockholm

March 11

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ **Harmit S. Malik**, Fred Hutchinson Cancer Research Center

New York Metropolitan Area Discussion Group in Mathematics and Oncology ✦ *The Evolution of Tumor Formation in Mice and Humans with Germline p53 Mutations* ✦ **Arnold Levine**, Professor Emeritus, School of Natural Sciences ✦ *Topological Methods for Complex Data* ✦ **Gunnar Carlsson**, Stanford University ✦ *Dimensionality Reduction in Spaces of Phylogenetic Trees* ✦ **Andrew Blumberg**, The University of Texas at Austin

March 23

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ **Gabriele Micali**, Imperial College London

April 6

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Construction Grammar* ✦ **Adele Goldberg**, Princeton University

April 8

Governor's Conference on Effective Partnering in Cancer Research ✦ *The Genetic Basis for Cancer Therapeutics* ✦ **William Sellers**, Novartis Institutes for Biomedical Research ✦ *Tackling the Off-Target Problem in Cancer Pharmacology* ✦ **William G. Kaelin, Jr.**, Dana–Farber Cancer Institute ✦ *Evolution of Resistance to Targeted Therapies* ✦ **Jeffrey Engelman**, Massachusetts General Hospital Cancer Center ✦ *Role of Mutations in Epigenetic Regulators in Pathogenesis of Myeloid Malignancies* ✦ **Ross L. Levine**, Memorial Sloan Kettering Cancer Center ✦ *Organoid Models of Pancreatic Cancer* ✦ **David A. Tuveson**, Cold Spring Harbor Laboratory ✦ *Circulating Tumor Cells: The "Liquid Biopsy"* ✦ **David T. Ting**, Massachusetts General Hospital Cancer Center

April 9–10

Convergence Teams Meeting ✦ *Liberating the Immunologic Response to Pancreatic Cancer* ✦ **Jeffrey Drebin**, Penn Medicine ✦ *The Genetic, Epigenetic, and Immunological Underpinnings of Cancer Evolution through Treatment* ✦ **Ross Levine**, Memorial Sloan Kettering Cancer Center ✦ *Rational Design of Anticancer Drug Combinations with Dynamic Multidimensional Input* ✦ **Levi Garraway**, Dana–Farber Cancer Institute ✦ *Ecology of the Tumor Microenvironment* ✦ **Gurinder S. Atwal**, Cold Spring Harbor Laboratory

April 13

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Recognizing Innovations within an Evolving Complex System: Insights from a Stochastic Model of Autocatalytic Network Evolution* ✦ **Sanjay Jain**, University of Delhi; Member, School of Natural Sciences

April 22

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ **Oliver Rando**, University of Massachusetts Medical School

April 25

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ **Walter Fontana**, Harvard Medical School

April 26

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *A Physical Model for Transcription Factories* ✦ **Guillaume Le Treut**, Institut de Physique Théorique, Saclay

April 27

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Bacterial Colonies on Chitin Particles* ✦ **Otto Cordero**, Massachusetts Institute of Technology

May 11

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Ecology without Species* ✦ **Mikhail Tikhonov**, Harvard University

May 26

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/ Quantitative Aspects of Biology ✦ *Neural Networks of Unusual Mathematical Structure* ✦ **John Hopfield**, Princeton University, and **Dmitry Krotov**, Institute for Advanced Study; Member, School of Natural Sciences

June 27–29

Convergence Scholars Meeting ✦ *Rationale Design of Anticancer Combinations in Breast Cancer* ✦ **José Baselga**, Memorial Sloan Kettering Cancer Center ✦ *Activating the Immune Response in Pancreatic Cancer* ✦ **Jeffrey Drebin**, Penn Medicine ✦ *Ecology of the Tumor Microenvironment in Breast Cancer* ✦ **Gurinder S. Atwal**, Cold Spring Harbor Laboratory ✦ *Genetics and Targeted Therapy of Myeloid Malignancies: A Physician Scientist's Perspective* ✦ **Ross Levine**, Memorial Sloan Kettering Cancer Center ✦ *The Microbiome: The Dark Side of Cancer Immunity* ✦ **Drew Pardoll**, Johns Hopkins School of Medicine ✦ *Mechanism-Based Biomarkers to Guide Anti-PD-1 Cancer Immunotherapy* ✦ **Suzanne Topalian**, Johns Hopkins School of Medicine ✦ *Glioblastoma Evolution and under Therapy* ✦ **Raul Rabadan**, Columbia University ✦ *Modeling Inherited Cancer Syndromes* ✦ **Chang Chan**, Rutgers Cancer Institute of New Jersey ✦ *New Technologies for Personalized Cancer Immunotherapies* ✦ **James Heath**, California Institute of Technology ✦ *Single-Cell 42-Plex Cytokine Profiling: Evaluating the Quality of T Cells in Immune Defense and the Craziness of these Cells If They Go Wild* ✦ **Rong Fan**, Yale University ✦ *Hitting HIV Where It Hurts* ✦ **Arup Chakraborty**, Massachusetts Institute of Technology ✦ *Tumor Suppressor and Tumor Maintenance Genes* ✦ **Scott Lowe**, Memorial Sloan Kettering Cancer Center ✦ *RNA Technologies to Understand Transcriptional Heterogeneity* ✦ **David T. Ting**, Massachusetts General Hospital Cancer Center, Harvard Medical School ✦ *Functional Genomics* ✦ **Robert Darnell**, The Rockefeller University ✦ *Autoimmunity and Cancer* ✦ **Melanie**

Kleinschek, Theravance Biopharma ✦ *Accelerating Biomarker and Therapeutic Discovery with Organoid Models of Pancreatic Cancer* ✦ **Dannielle Engle** and **Herve Tiriac**, Cold Spring Harbor Laboratory

School of Social Science

August 30–September 11
Summer Program in Social Science

September 24
School Welcome Party

September 28
Social Science Lunch Seminar ✦ *Selective Migration and the Health of Black Immigrants in the United States* ✦ **Tod G. Hamilton**, Princeton University; Member, School of Social Science

September 30
Borders and Boundaries Seminar ✦ Organizational Meeting

October 5
Social Science Lunch Seminar ✦ *Dynamics of Difference in Australia: First Contact to the Present* ✦ **Francesca Merlan**, The Australian National University; Member, School of Social Science

October 12
Social Science Lunch Seminar ✦ *Creating a Globally Competitive Industry—Lessons from Meiji-Era Japanese Cotton Spinning Industry* ✦ **Serguey Braguinsky**, Carnegie Mellon University; Member, School of Social Science

October 14
Borders and Boundaries Seminar ✦ *Ethnic Boundaries* ✦ **Andreas Wimmer**, Columbia University

October 19
Social Science Lunch Seminar ✦ *Why Is Treason Coming Back into Fashion, and Not Just in Thailand?* ✦ **Duncan McCargo**, University of Leeds; Visitor, School of Social Science

October 26
Social Science Lunch Seminar ✦ *Life Lived in Relief: Palestinian Refugees and the Humanitarian Experience* ✦ **Ilana Feldman**, The George Washington University; Member, School of Social Science

October 27
Occasional Conversations ✦ *The Upcoming AAA Vote on BDS*

October 28
Borders and Boundaries Seminar ✦ *The Making of Borders: Historical Perspectives*

Borders and Boundaries Film Series ✦ *Sentenced Home,* directed by Nicole Newnham and David Gabias ✦ Post-screening discussion led by **Linda Bosniak**, Rutgers, The State University of New Jersey; Member, School of Social Science

November 2
Social Science Lunch Seminar ✦ *Motivating Solidarity with Distant Others: Empathic Politics, Responsibility, and the Problem of Global Justice* ✦ **Carol C. Gould**, The Graduate Center, The City University of New York; Member, School of Social Science

November 9
Social Science Lunch Seminar ✦ *Rewriting the (African) State From the Margins: Can It Be Done?* ✦ **Paul Nugent**, The University of Edinburgh; Member, School of Social Science

November 11
Borders and Boundaries Seminar ✦ *The Contestation of Borders: Ethical, Political, and Economic Perspectives*

Borders and Boundaries Film Series ✦ *Omar*, directed by Hany Abu-Hassad ✦ Post-screening discussion led by **Ilana Feldman**, The George Washington University; Member, School of Social Science

November 16
Social Science Lunch Seminar ✦ *Sovereignty's Archive* ✦ **Brian Connolly**, University of South Florida; Member, School of Social Science

November 23
Social Science Lunch Seminar ✦ *External Shocks* ✦ **Alice Goffman**, University of Wisconsin–Madison; Member, School of Social Science

November 24
Borders and Boundaries Seminar ✦ *The Condition of the Refugee: Case-Studies from South Africa and Palestine*

November 30
Social Science Lunch Seminar ✦ *Our Corporate Civilization and Its Neoliberal Crisis* ✦ **David Ciepley**, University of Denver; Member, School of Social Science

December 7
Social Science Lunch Seminar ✦ *The Failure of the Liberal Core-Values as Justifications for Cultural Rights and Cosmopolitan Cultural Justice* ✦ **Chaim Gans**, Tel Aviv University; Member, School of Social Science

December 9
Borders and Boundaries Seminar ✦ *Global Labor Markets and Work Migrations: Sociology and Economics*

Borders and Boundaries Film Series ✦ *Welcome*, directed by Philippe Lioret ✦ Post-screening discussion led by **Anne-Claire Defossez**, Institute for Advanced Study; Visitor, School of Social Science

December 14
Social Science Lunch Seminar ✦ *Humanity Interrogated: Forging Liberal Warfare through the Interrogation Rooms of the Korean War* ✦ **Monica Kim**, New York University; Member, School of Social Science

January 25
Social Science Lunch Seminar ✦ *Palestinian Refugees and the Space of Appearance: Notes on Kinship in the Camps of Tyre, Lebanon* ✦ **Sylvain Perdigon**, American University of Beirut; Member, School of Social Science

January 27
Borders and Boundaries Seminar ✦ *The Signification of Boundaries: A Critical Approach*

Borders and Boundaries Film Series ✦ *The Class*, directed by Laurent Cantet ✦ Post-screening discussion led by **Abdoulaye Gueye**, University of Ottawa; Member, School of Social Science

February 1
Social Science Lunch Seminar ✦ *Race No Longer Lives Next Door: Blackness and the Crisis of French Politics of Identity* ✦ **Abdoulaye Gueye**, University of Ottawa; Member, School of Social Science

February 8
Social Science Lunch Seminar ✦ *Mobilizing Morality: Migrant Domestic Workers in Dubai* ✦ **Rhacel Salazar Parreñas**, University of Southern California; Member, School of Social Science

February 10
Borders and Boundaries Seminar ✦ *Racial Boundaries: A Comparative View*

Borders and Boundaries Film Series ✦ *Disgrace*, directed by Steve Jacobs ✦ Post-screening discussion led by **Paul Nugent**, The University of Edinburgh; Member, School of Social Science

February 22
Social Science Lunch Seminar ✦ *"Unapologetic": Wrongs, Rights, and Irregular Immigrants* ✦ **Linda Bosniak**, Rutgers, The State University of New Jersey; Member, School of Social Science

February 24
Borders and Boundaries Seminar ✦ *The Politics of Boundaries: 1. Citizenship*

February 29
Social Science Lunch Seminar ✦ *Rooting Life at the Edge of the Desert: Migrant Experiences and Institution Interactions in Northern Chile* ✦ **Angel Aedo**, Pontifica Universidad Católica de Chile; Member, School of Social Science

Occasional Conversations ✦ *Islam and the West*

March 2

Social Science Lunch Seminar ✦ *Varieties of State Building in the Borderland Area between China and Mainland Southeast Asia* ✦ **Enze Han**, University of London; Member, School of Social Science

March 3

Borders and Boundaries Reading Group ✦ Discussion of texts submitted by **Abdoulaye Gueye**, University of Ottawa; Member, School of Social Science, and **Beth Lew-Williams**, Princeton University; Visitor, School of Social Science

March 9

Borders and Boundaries Seminar ✦ *The Politics of Boundaries: 2. Multiculturalism*

Borders and Boundaries Film Series ✦ *The Edge of Heaven*, directed by Fatih Akın ✦ Post-screening discussion led by **Kristin Surak**, University of London; Member, School of Social Science

March 14

Social Science Lunch Seminar ✦ *The Terror, 1793–1794: A Tragedy of Distrust* ✦ **Ari Adut**, The University of Texas at Austin; Member, School of Social Science

March 21

Social Science Lunch Seminar ✦ *The Problem with Innocence* ✦ **Miriam Ticktin**, The New School for Social Research; Member, School of Social Science

March 23

Borders and Boundaries Seminar ✦ Discussion of several texts focusing on religious boundaries

April 4

Social Science Lunch Seminar ✦ *Passages through the Persian Gulf: Ethnicity, Identity, and Imperial Politics* ✦ **Firoozeh Kashani-Sabet**, University of Pennsylvania; Member, School of Social Science

April 6

Borders and Boundaries Reading Group ✦ Discussion of texts submitted by **Ilana Feldman**, The George Washington University, and **Chaim Gans**, Tel Aviv University; Members, School of Social Science

April 11

Social Science Lunch Seminar ✦ *Beyond Blood and Soil: Jus Pecuniae and the Rise of Economic Citizenship* ✦ **Kristin Surak**, University of London; Member, School of Social Science

April 18

Social Science Lunch Seminar ✦ *Nation and its Undesirable Subjects: Homosexuality, Citizenship, and the Gay-"Other" in Cameroon* ✦ **Basile Ndjio**, University of Douala; Member, School of Social Science

April 25

Social Science Lunch Seminar ✦ *Chinese Exclusion, Racial Violence, and the Problem of Scale* ✦ **Beth Lew-Williams**, Princeton University; Visitor, School of Social Science

April 27

Borders and Boundaries Reading Group ✦ Discussion of texts submitted by **Enze Han**, University of London, and **Rhacel Salazar Parreñas**, University of Southern California; Members, School of Social Science

May 25

Borders and Boundaries Seminar ✦ Conclusions and reflections

June 2–4

Non-State War Economy Seminar ✦ Organized jointly by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science, and **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies

Director's Office Events

September 18

Friends Fall Reception

September 21

Institute Welcome Reception

September 25

Friends Lunch with a Member ✦ *Marriage and Sovereignty in the Nineteenth-Century United States* ✦ **Brian Connolly**, University of South Florida; Member, School of Social Science

October 2

Artists Present ✦ *A Conversation with Signum Quartet* ✦ **Signum Quartet**; **Marc Uys**, Executive Director, Princeton Symphony Orchestra; and **Sebastian Currier**, Artist-in-Residence

October 4

Princeton Symphony Orchestra Concert ✦ **Signum Quartet**

October 9

AMIAS Family Barbecue

October 10

Science Talk for Families ✦ *Really Big Numbers and Infinity* ✦ **Richard Schwartz**, Chancellor's Professor of Mathematics, Brown University

October 14

Friends Talk ✦ *100 Years of General Relativity* ✦ **Robbert Dijkgraaf**, Director and Leon Levy Professor

October 16–17

Edward T. Cone Concert Series and Talk ✦ *Cadence, Fugue, Fade* ✦ **American Brass Quintet**

October 21

Exhibit and Special Event ✦ *Concinnitas* ✦ **Enrico Bombieri**, Professor Emeritus in the School of Mathematics; **Robbert Dijkgraaf**, Director and Leon Levy Professor; **Freeman Dyson**, Professor Emeritus in the School of Natural Sciences; and **Dan Rockmore**, William H. Neukom 1964 Professor of Computational Science, Director of the Neukom Institute for Computational Science, and Professor of Mathematics at Dartmouth College

October 23

Friends Lunch with a Member ✦ *The Man and His Image: Art & Propaganda at the Court of the Qianlong Emperor of China* ✦ **Eugenio Menegon**, Agnes Gund and Daniel Shapiro Member, School of Historical Studies

October 24

Memorial for Patricia Crone, Professor Emerita in the School of Historical Studies

October 30

Public Lecture ✦ *Do We Understand Putin's Russia?* ✦ **Jonathan Haslam**, George F. Kennan Professor, School of Historical Studies

November 4

Special Event and Performance ✦ *Light Falls: Space, Time, and an Obsession of Einstein* ✦ **Brian Greene**, Professor of Theoretical Physics, Columbia University; **Carl Howell**, Actor and Musician; **Angela Janas**, Actor; and **Michael Winther**, Actor

November 5–6

General Relativity at 100 Conference

November 6

Special Event and Screening ✦ *Einstein's Light* ✦ **Nickolas Barris**, Founder of Imaginary Films, and **Joshua Bell**, violin

November 13

Friends Talk ✦ *The Art of Dining: Downton Abbey* ✦ **Francine Segan**, Food Historian

November 20–21

Edward T. Cone Concert Series and Talk ✦ *Kafka Fragments* ✦ **Rolf Schulte**, violin; **Lucy Shelton**, soprano; and **James Winn**, piano

November 21

Friends Lunch with a Member ✦ *Eighteenth-Century Readings of* Paradise Lost *and the Evolution of the "Satanic Sublime"* ✦ **Noël Sugimura**, Member, School of Historical Studies

December 4

Friends Lunch with a Member ✦ *Exploring Three Dimensions* ✦ **Abigail Thompson**, Neil Chriss and Natasha Herron Chriss Founders' Circle Member, School of Mathematics

Friends Talk ✦ *The Aspirational Investor* ✦ **Ashvin Chhabra**, President, Euclidean Capital

December 6
Princeton Symphony Orchestra Concert ✦ **Momenta Quartet**

January 20
Artists Present ✦ **Catherine Chung**, Adelphi University; Visitor, Program in Interdisciplinary Studies

January 22
Friends Talk ✦ *Twilight of the Aristocracy 1918 to 1940* ✦ **Karina Urbach**, Visitor, School of Historical Studies

January 24
Princeton Symphony Orchestra Concert ✦ **Alexander Chaleff**, violin, and **Alexandra Zelman-Doring**, poet

January 27
S.T. Lee Public Lecture ✦ *The Transmission of Knowledge in Abbasid Iraq: Problems in the Interpretation of the Catalogue of Ibn al-Nadim* ✦ **Devin J. Stewart**, Associate Professor of Arabic and Islamic Studies, Emory College of Arts and Sciences

January 29
Friends Lunch with a Member ✦ *Antiquity's Angry Editorialist* ✦ **Michael Kulikowski**, Member, School of Historical Studies

February 2
World Disorder Lecture Series ✦ *And Now for the Hard Part: China's Economic Adjustment After Three Miracle Decades* ✦ **Michael Pettis**, Professor, Guanghua School of Management, Peking University

February 5–6
Edward T. Cone Concert Series and Talk ✦ *High Wire Act* ✦ **New Millennium Ensemble**

February 9
World Disorder Lecture Series ✦ *The Coming Crisis Between Germany and the United States: The Cultural Divergence of Advanced Nations* ✦ **Emmanuel Todd**, Institut National d'Etudes Démographiques

February 17
Friends Dessert with a Member ✦ *Archaeology and the Twilight of Utopia: The Prehistoric Front of the Cold War* ✦ **Michael Kunichika**, Willis F. Doney Member, School of Historical Studies

February 19
Public Lecture ✦ *The New Era of Gravitational-Wave Astronomy* ✦ **Robbert Dijkgraaf**, Director and Leon Levy Professor; **Doron Kushnir**, John N. Bahcall Fellow, School of Natural Sciences; **Scott Tremaine**, Richard Black Professor in the School of Natural Sciences; **Nadia Zakamska**, Johns Hopkins University; Junior Visiting Professor, School of Natural Sciences; **Matias Zaldarriaga**, Professor, School of Natural Sciences

February 26
Friends Lunch with a Member ✦ *How to Study Ancient Prophecy?* ✦ **Martti Nissinen**, University of Helsinki; Member, School of Historical Studies

February 28
Princeton Symphony Orchestra Concert ✦ **Alexander Chaleff**, violin, and **Alexandra Zelman-Doring**, poet

March 4–5
Edward T. Cone Concert Series and Talk ✦ *Remembrance of Things Past* ✦ **Music from Copland House**

March 11
Friends Lunch with a Member ✦ *Geometry and the Shape of Space* ✦ **David Futer**, Elinor Lunder Founders' Circle Member, School of Mathematics

March 12
Science Talk for Families ✦ *Hidden World: The Deep Sea* ✦ **Donato Giovannelli**, Rutgers, The State University of New Jersey; Visitor, Program in Interdisciplinary Studies

March 16
Artists Present ✦ **Tracy K. Smith**, Writer

March 18
Friends Talk ✦ *Extraordinary Changes in Attitudes Toward Wine and Food* ✦ **Gary Fine**, Member, School of Social Science, and **Kevin Zraly**, Wine Expert

March 20
Princeton Symphony Orchestra Concert ✦ **Marc Uys**, violin; **Bridget Kibbey**, harp; and **Mary Mackenzie**, soprano

April 13
Artists Present ✦ **Zia Haider Rahman**, Writer

April 14
Public Lecture ✦ *Categorically Not! On the Edge* ✦ **Sean B. Carroll**, Vice President for Science Education, Howard Hughes Medical Institute; **K.C. Cole**, University of Southern California; Director's Visitor; **Robbert Dijkgraaf**, Director and Leon Levy Professor; **Helen Fisher**, Biological Anthropologist, Kinsey Institute, Indiana University; and **Felice Frankel**, Research Scientist and Photographer, Massachusetts Institute of Technology

Friends Lunch with Yewande Austin ✦ *The Art of Change* ✦ **Yewande Austin**, Artist and Human Rights Activist

April 21
Talk and Luncheon for Founders', Chairman's, and Director's Circle ✦ *The Quest for Other Worlds* ✦ **Nadia Zakamska**, Johns Hopkins University; Junior Visiting Professor, School of Natural Sciences

April 29
World Disorder Lecture Series ✦ *Who Lost the Middle East?* ✦ **Richard Murphy**, Former U.S. Ambassador to Syria and Saudi Arabia

May 6
Public Lecture ✦ *Celebrating Emmy Noether* ✦ **Georgia Benkart**, Professor Emerita, University of Wisconsin-Madison; **Catherine Chung**, Adelphi University; Visitor, Program in Interdisciplinary Studies; **Ingrid Daubechies**, James B. Duke Professor of Mathematics; Professor of Electrical and Computer Engineering at Duke University; and **Karen Uhlenbeck**, University of Texas; Visitor, School of Mathematics

May 11
Public Lecture ✦ *Math in the Real World: More Than Just a Numbers Game* ✦ **Sandra Peterson**, Group Worldwide Chairman, Johnson & Johnson; Institute Trustee; and **Kathy Wengel**, Worldwide Vice President, Supply Chain, Johnson & Johnson

May 13
AMIAS Lecture ✦ *An Antidote to the Politics of Despair: Enabling Conceptions of Justice and the Democratic Necessity of Insurgency* ✦ **Deva Woodly**, Assistant Professor of Politics, The New School for Social Research

May 20
Friends Lunch with a Member ✦ *Activism in the Shadows of Universalism, Elisions, and Accents in the History of Human Rights* ✦ **Meredith Terretta**, Louise and John Steffens Founders' Circle Member, School of Historical Studies

May 25
Friends Annual Meeting and Picnic

June 10
Staff Picnic