



PROGRAM

	Monday 7 th	Tuesday 8 th	
9.00 am		Technical session I - Intentional threats to GNSS Chair: F. Dovis (POLITO)	
9.15		Daniele Borio <i>(Joint Research Center)</i>	<i>Robust Signal Processing for GNSS Signal Reception</i>
9.40		Ilaria Sesia <i>(INRIM)</i>	<i>Timing for critical infrastructure and GNSS vulnerabilities: the DEMETRA project</i>
10.05		Sabrina Ugazio <i>(Ohio University)</i>	<i>GNSS Signal Quality Monitoring and Phase Anomalies detection</i>
10.30		Coffee break	
11.00		Darshna Jagiwala <i>(SVNIT)</i>	<i>Effects of RFI on IRNSS</i>
11.25		Beatrice Motella <i>(ISMB)</i>	<i>SNAP: An Authentication Concept for the Galileo Open Service</i>
11.50		Q&A time, moderated by the chair	
12.30		Lunch	
2.30 pm		Opening session	Technical session II - Natural hazards to GNSS Chair: Lucilla Alfonsi (INGV)
2.45	Welcome by Politecnico di Torino, Links foundation, Istituto Superiore Mario Boella	Joanna Rupiewicz <i>(European Satellite Services Provider - ESSP)</i>	<i>TECH-TIDE: Warning and Mitigation technologies for travelling ionospheric disturbance effects on GNSS and HF communication</i>
3.10	Mr. Gian Gherardo Calini <i>(European GNSS Authority - Head of Market develop. dept.)</i>	Lucilla Alfonsi <i>(INGV)</i>	<i>Ionospheric Research at INGV</i>
3.35	Mrs. Sharafat Gadimova <i>(Office Outer Space Affairs, UN)</i>	Alfredo Favenza <i>(ISMB)</i>	<i>A Machine Learning Approach to GNSS Scintillation Detection</i>
4.00	Coffee break		
4.30	Prof. J. Morton <i>(University of Colorado, U.S.A)</i>	Virendra Patel <i>(SVNIT)</i>	<i>The very severe cyclonic storm OCKHI and effects on GNSS</i>
4.55	Dr. Keith Groves <i>(Boston College, U.S.A)</i>	Nicola Linty <i>(Politecnico di Torino)</i>	<i>A novel approach to ionospheric scintillation detection based on an open loop architecture</i>
5.20		Gabriella Povero <i>(ISMB)</i>	<i>Scintillation monitoring in South East Asia: results and perspectives</i>
5.45 pm	end of session	end of session	

Wednesday 9th

Wednesday 9 th		
9.00 am	Students presentations	
9.15	Calogero Cristodaro <i>(Politecnico di Torino)</i>	<i>Deeply coupled visual/INS/GNSS integration for robust navigation</i>
9.40	Alex Minetto <i>(Politecnico di Torino)</i>	<i>A theoretical framework for collaborative estimation of distances among GNSS users and tight integration in EKF positioning algorithm</i>
10.05	Caner Savas <i>(Politecnico di Torino)</i>	<i>Performance comparison of GPS L5 signal acquisition methods under phase scintillations</i>
10.30	Coffee break	
11.00	Wenjian Qin <i>(Politecnico di Torino)</i>	<i>GNSS jammer signals mitigation by using adaptive notch filters</i>
11.25	Neil Gogoi <i>(Politecnico di Torino)</i>	<i>Design of High Accuracy Navigation Systems for Robotic Vehicles</i>
11.50 am	Companies presentations Chair: Marco Pini (Istituto Superiore Mario Boella)	
12.00	Claudia Maltoni <i>(AlphaConsult)</i>	<i>Examples of methodologies to assess the socio-economic benefits of GNSS robustness</i>
12.30	Lunch	
2.00	Oliver Towlson <i>(Nottingham Scientific Ltd)</i>	<i>STRIKE3: Characterizing the GNSS Threat Environment through Long-Term Monitoring</i>
2.25	Bruno Bougard <i>(Septentrio)</i>	<i>Protecting GNSS-dependent professional applications from accidental interference and spoofing</i>
2.50	Oscar Pozzobon <i>(QASCOM S.r.l.)</i>	<i>State of the art in anti-spoofing technologies and preliminary tests on the Galileo Open Service Navigation Message Authentication (OSNMA)</i>
3.15	Vincenzo Romano <i>(SpaceEarth Technology S.r.l.)</i>	<i>Tackling Ionosphere to enhance GNSS high accuracy: SpaceEarth Technology solutions</i>
3.40	Coffee break	
4.00	Andrea Emmanuele <i>(Thales Alenia Space)</i>	<i>A diffuse protection layer against RF threats and signal distortions: a portfolio approach for trusted and robust PVT</i>
4.25	Talini Pinto Jayawardena <i>(Spirent communication Inc.)</i>	<i>The importance of updated testing equipment to assess receiver capabilities against environment, ionospheric effects, and threats</i>
4.50 pm	Final remarks	