MIPET – The International Master in Industrial Plant Engineering and Technologies is an initiative promoted by a joint Team of Academic and Scientific Institutions, Industries and Associations. The 10th Edition of MIPET involves an international class composed by top quality young engineers and it is sponsored as usual by major International Companies (e.g. ABB, Paul Wurth, Danieli). The MIPET Excellence is based on the strong engagement of Academic and Technical Experts coming from Prestigious Universities and Leading Industries that are active in this area with special attention to sectors such as Energy, Iron & Steel, EPC, Large Industrial Plants, Process Industries, Oil & Gas. As happen each year, MIPET 10th edition includes modules and seminars that are open also to Professional and Industrial communities to promote also locally this International Network.

This Seminar is titled: **Safety & Security in Critical Infrastructures & Ports as Opportunities for Plant Engineering** and it is organized in strong Synergy among MIPET, STRATEGOS, University of Genoa, START4.0, Confindustria, Ordine degli Ingegneri, Simulation Team and ANIMP as an opportunity for experts from Industries and Institutions as well as professional world to meet together on this Strategic Subject; the attendees include also the International Students, already engineers, of 10th Edition of MIPET and 1st Edition of STRATEGOS, MSc in Engineering Technologies for Strategy and Security organized by Genoa University (prima Laurea Magistrale in Strategic Engineering in Italia e tra le prime nel Mondo).

Please note that the Seminar has been anticipated to 10.00B due to the attendees requests

**Safety & Security in Critical Infrastructures & Ports as Opportunities for Plant Engineering Seminar** presents examples and cases where by innovative methods, engineering techniques and new models it becomes possible to address new challenges in the sector of Critical Infrastructures and Ports.

The seminar presents both real cases and new engineering solutions. **Safety & Security in Critical Infrastructures & Ports as Opportunities for Plant Engineering Seminar** is designed for engineers, technicians and professionals intended to being updated on new initiatives in these fields.

**Safety & Security in Critical Infrastructures & Ports as Opportunities for Plant Engineering Seminar** involves experts in Engineering and Modeling from Institutions, Academic Scientists and Technical Experts dealing with most advanced initiatives, new models in these fields of applications; real cases will be presented.

**Institutions** as well as **Big Industries** and Hi-Tech Companies are participating actively to the event to present their points of view on this subject, addressing the different **Risks, Threats** and Challenges, but also proposing **Potential Solutions** and **Ways Ahead**.

**Free Attendance to the event and Credits by Ordine degli Ingegneri for Professional Engineers**
09.50 Registration

10.00 Welcome by
Prof. A. Bruzzone, MIPET President and STRATEGOS Council Chair, Genoa University
Prof. Paola Girdinio, President START 4.0 and Genoa University
Ing. F. Lombardo, Consigliere nell’Ordine degli Ingegneri Genova & Ing. R. Orvieto, CNI Council
Dott. Sandro Scarrone, Vice Presidente Vicario of Confindustria Genoa & President CETENA

10.30 Emerging Challenges in Ports and Extended Maritime Framework
Prof. Agostino Bruzzone, STRATEGOS Chair & Genoa University

11.00 Protecting Ports and Critical Infrastructures
Prof. Paola Girdinio, Centro Start 4.0 President

11.30 Emergent Needs to face Security and Safety in Ports
Ing. Roberto Orvieto, Council Member CNI

12.00 The Terminal point of view in terms of Safety and Security
Cap. Francesco Parodi, HSSE Manager, Sech

12.30 Break

14.00 Risks in Ports and Critical Infrastructure: The LNG as Opportunity and Challenge
Ing. Tommaso Vairo, Risk Analysis, ARPAL

14.30 Solutions from Industry to address Critical Infrastructures Protection
Dott. Mauro Giacobbe, Vice President Strategic Marketing, Security & Infor. System Division at Leonardo

15.00 Data Analytics in Ports Protection and to improve Safety
Ing. G. Gambaro, Corporate Digital Innovation Director, RINA

15.30 Critical Infrastructure Protection and Operation Management
Ing. Roberto Rossi, Sale Support Manager for New Technologies, Thales

16.00 Security in Ports
Ing. Maurizio Barabino, Engineering, ABB

16.30 Vulnerability Reduction in Logistics Nodes and Transportations
Prof. Gianfranco Fancelllo, University of Cagliari & Director at CentraLabs

17.00 Live Demonstration of ALACRES2 Project for Safety in Ports and Marine Domain
Ing. Kirill Sinelshchikov, Simulation Team

17.30 Mixed Reality & Simulation in Marine Domain for Safety and Security
Ing. Riccardo Di Matteo, SIM4Future

Number of CFP: 6  Further details are available at www.itim.unige.it/mipet/ordineingegneri