

PROMOTED BY

Cyber Security, Resilience and Business
Continuity for Electrical Grid
National Committee



SUPPORTED BY



2nd Edition – International Conference
**Cyber Security for infrastructure
of Energy & Transport**

20-21 June 2016

*Villa Cambiaso
Via Montallegro, 1 - 16145 GENOA – ITALY
Polytechnic School
Headquarters of Engineering, University of Genoa*

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CONFERENCE PROGRAM

**Participation gives right to the recognition of 6 CFP (Professional Credits)
for Italian Engineers (3 per day)
(La partecipazione dà diritto a 6 CFP per Ingegneri – 3 per ogni giornata)**

19th June 2016

18.00 **Welcome Cocktail – Melia Hotel, Via Corsica, 4 - Genoa** (by invitation)

20th June 2016

9.30-10.00 **Registration - Welcome Coffee**

10.00-10.15 Welcome; *Polytechnic School – University of Genoa*

Opening of the Conference: Prof. Paola GIRDINIO (*DITEN – University of Genoa*,
President of the *National Committee*)

10.15-11.15 **Panel 1 - Chairman Prof. Alessandro Armando (*DIBRIS – University of Genova*)
National Strategy for Cyber Security of SCADA Systems. The coordination role
of the Nationals CERT for the Electrical Critical Infrastructures Protection**

Dr. Rita FORSI (Italian CERT) (tbc)

*Dr. Margrete RAAUM (Kraft CERT – Norway) – “Securing and responding to incidents
in critical infrastructure*

*Dr. Gian Luigi PUGNI (ENEL GLOBAL ICT) – “Network and system management for
National Critical Infrastructures with IEC 62351-7”*

*Dr. Giovanna DONDOSSOLA (RSE T&D Technologies Dpt.) – “National Strategy for
the Cyber Security of Electrical SCADA systems: experimental assessment”*

11.15-12.30 **Panel 2 - Chairman Prof. Mario MARCHESE (*DITEN – University of Genoa*)
Role of the National Observatory for the Cyber Security, Resilience and
Business Continuity for Electrical Networks. Work in Progress**

*Dr. Gaetano SANACORE (ANSALDO ENERGIA S.p.A.) and Dr. Francesco PERNA
(ENEL S.p.A.)*

*Dr. Moreno CARULLO (NOZOMI NETWORKS) – “Multi-dimensional Cybersecurity
and Monitoring of Industrial Communications and IEC 62351”*

Marco GRECHI (SOFTECO) – “Securing IEC 60870-5-104 with IEC 62351-5/-3”

Danilo DEALBERTI (*SELTA*) – “Secure implementation protocol on IED (Intelligent Electronic Device) – An application example”

12.30 -14.00 **Light Lunch**

14.00-15.30 **Panel 3 – Chairman Dr. Gian Luigi Pagni (*ENEL GLOBAL ICT*)**
Electrical Network: Generation, Transmission and National Distribution.
Functionality Management and Operational Security

Dr. Sergey GORDEYCHIK (*KASPERSKY-Lab*) - “Mission-centric approach for digital substations cybersecurity”

Dr. Lino Antonio BUONO (*INTHECYBER*) - “Grids aren't smart without (cyber) intelligence”

Mr Jean Claude MICHACA (*ICARE*) – “Cyber Security: The proper protection for the imperatives of 21st century”

Dr. Sam ZADEH (*International T&D Projects, Senior Consultant*) – “Transnational Electrical Infrastructures. A Protection Strategy Against Cyber Attacks”

15.30 – 16.00 **Coffee Break**

16.00 - 18.00 **Kaspersky Industrial Protection Simulation Game**

18.00 - 18.15 **First Day Conclusions**

Dr. Gaetano SANACORE (*ANSALDO ENERGIA*)

19.45 **Gala Dinner – Ristorante Vittorio al Mare, Boccadasse – Genoa** (by invitation)

21th June 2016

9.30-10.00 **Welcome Coffee**

10.00-11.30 **Panel 4 - 1st Session – Chairman Dr. Gaetano SANACORE (*Ansaldo Energia*)**
National Electrical Grids. SCADA, RTU, IED, Meters and Remote Control -
Highlighted Vulnerabilities

Dr. Alessandro DI CARLO (*TIGERSECURITY*) – “OSINT: the dark side of SCADA exposed on the Internet”

Dr. Federica BISIO (*AIZOON*) – “Machine learning and advanced cyber security analytics”

Dr. Jun WU (*Shanghai Jiao Tong University*) - “Smart Grid Cybersecurity: New Paradigms of Threat and Defense”

Dr. Majid GHADIMI (MAPNA Group) - "RTU upgrading and Protocol Converter configuration to Implement the TCP/IP based SCADA Protocols, Security constraints and vulnerability evaluation"

Mr. Mohamed TALAAT ALSAYED (Scada Innovations) – "Practical implementations of secured IEC 61850 Substation Automation Systems"

11.30-12.30 **Panel 4 – 2nd Session Chairman Dr. Gaetano SANACORE (Ansaldo Energia) National Electrical Grids. SCADA, RTU, IED, Meters and Remote Control - Highlighted Vulnerabilities**

Mr. Michele VEZZOLA (BM Group) – "A Key Role for plant availability towards Industry 4.0."

Mr. Luca FILIPPI (SECLAB) – "To hack or not to hack?"

Mr. Dmitry YARUSHEVSKIY (JSC DialogueScience) – "Something intangible, but real about cybersecurity"

12.30 -14.00 **Light Lunch**

14.00-15.15 **Panel 5 – Chairman Prof. Rodolfo ZUNINO (DITEN – University of Genoa) National Electrical Grids. Cyber Security Best Practices & Standards – State of the Art and Future Improvements**

Dr. Chan Yeob YEUN (Khalifa University ,Abu Dhabi, UAE) – "Next Big Things in Cyber Security"

Mr. Mohit KUMAR (The Hacker News) – "Securing Critical Infrastructure — Know Your Enemy and Get Prepared"

Dr. Gianna DETONI (PANTA RAY) – "Business Continuity: The threat of disruptions in the Energy sector"

Dr. Andrea RIGONI (Intellium) – "The future of Cybersecurity in the electricity sector: from response to readiness"

15.15 - 15.30 **Conclusions and closing of the Conference**

Prof. Paola GIRDINIO (DITEN – University of Genoa, National Observatory)

15.30 – 16.30 **Networking Coffee and final greetings**