



SESAME is a FP7-security project cofunded by the European Commission, aiming at providing a contribution to the development of tools and regulation framework for the security, addressed at the European power grid against natural, accidental and malicious attacks.

The Partnership

- Politecnico di Torino - Dipartimento di Ingegneria Elettrica (PoliTo) - Italy
- Energy Institute at the J.Kepler University Linz (EI-JKU) - Austria
- INDRA Sistemas SA (INDRA) - Spain
- Heriot Watt University (HWU) - United Kingdom
- E-Control (Ectrl) - Austria
- Deloitte (Delo) - Spain
- TU Delft (TUD) - The Netherlands
- Transelectrica (TrEI) - Romania
- Kudos Research (KUDOS) - United Kingdom

Participation to the event is free of charge. Due to the capacity of the Conference room, registration is mandatory sending an e-mail to the following address: enrico.pons@polito.it



**POLITECNICO
DI TORINO**



Round Table

Securing the European Electricity against traditional and new threats; from earthquakes to terrorist attacks;



Preliminary Program

12 July 2011
Salone d'Onore
Castello del Valentino
Politecnico di Torino
Viale Mattioli, 39



Program

Modern societies rely deeply on a set of critical infrastructures related to the energy, transportation, communication and water sectors. The overall social welfare in many respects, ranging from economic efficiency to social security is deeply enhanced in the proper operation and functioning of those infrastructures.

Electric Energy Systems (EES) are particularly critical since they represent the backbone of modern societies and most of the other infrastructures depend on them for their operations. A failure in EES may extend to other systems provoking huge social impacts.

Different events and actions may threaten the operation of EES, ranging from natural events (lightning, floods, earthquakes), to accidental malfunctioning of devices, to malicious attacks implemented by terrorist organizations or organized crime, among which the malicious threats especially deserve special consideration in recent years.

EES faced in the last two decades and are presently facing deep changes, from one side, with the introduction of competitive electricity markets as opposed to the traditional vertically-integrated utility scheme, and from the other side, with the shift of the paradigms from centralized generation and passive distribution systems and consumers to distributed generation and active distribution systems and prosumers.

In this new context new challenges to the secure operation of EES emerge and new strategies and tools need to be devised to define acceptable level of vulnerability.

The round table, with the participation of key-representatives of various Institutions, bodies and companies will provide an overall scheme of the present situation at the European level and will pinpoint the critical issues and discuss the best ways to address the security issues of EES.

SESAME project, considering the emerging challenges, is aimed at designing proper tools for assessing, within the EES of Europe, the security levels of the power transmission grid and supporting the decision making of intervention to reduce its vulnerability based on a cost/benefit analysis.

The design of appropriate regulation strategies is a key to assure a proper level of security to EES in a competitive context and will represent the second core activity in the project.



ROUND TABLE

10.00 Registration

10:30 Ettore BOMPARD - Moderator

SESAME FP7 Scientific Coordinator
Politecnico di Torino, Torino (Italy)

Luisa FRANCHINA

Director General
Secretariat for Critical Infrastructures
Military Advisor Office, Presidency of the Council of
the Ministers, Rome (Italy)

Andrej GREBENC

Security Unit, Research Executive Agency, European
Commission, Bruxelles (Belgium)

Pierpaolo MALINVERNI

Assistant Director of Institute for the Protection and
Security of Citizens – Joint Research Center of the
European Commission, Ispra (Italy)

René MARCHAL

Manager Corporate Safety & Security
TenneT TSO B.V. , Amsterdam (The Netherlands)

William NUTALL

Assistant Director of the Electricity Policy Research
UK Director of the Cambridge-MIT Energy Security Initiative
Cambridge University, Cambridge (United Kingdom)

Alexander PSCHIKAL

Member of the Secretariat of the National Security
Council point of contact (POC Austria) for EPCIP
and promoting critical infrastructure protection in Austria
Austrian Federal Chancellery, Wien (Austria)

12.00 Discussion & Conclusions

PRESENTATION OF FP7 SESAME PROJECT
“Securing the European Electricity Supply
Against Malicious and accidental thrEats”

12:30 Welcome

Francesco PROFUMO

Rector of Politecnico di Torino, Torino (Italy)

Mario RASETTI

Director of PhD School of Politecnico di Torino,
Torino (Italy)

Roberto NAPOLI

Deputy Dean of First Faculty of Engineering - Politecnico di
Torino, Torino (Italy)

13:00 Outline of the SESAME Project

Ettore BOMPARD, Alberto TENCONI

SESAME FP7 Scientific Coordinator
Electrical Engineering Department, Politecnico di
Torino, Torino (Italy)

13:15 Discussion & Conclusions