

GENERAL INFORMATION

HOTEL HOLIDAY INN (ROME WEST)
Via Aurelia km 8.4 00165 ROME
holidayinn.romeaurelia@alliancealberghi.com
www.holiday-inn.com/romeaurelia

How to reach the Holiday Inn Hotel, on the top of a beautiful hill, from:

Fiumicino Airport (FCO) , distance 25 km, taxi (approximately) 40 €, 30 minutes
(hotel shuttle available)

Ciampino Airport (CPO), distance 26 km, taxi 50 €, 40 minutes

A Line Underground Rome Termini Station, distance 11 km taxi 25 € (journey
time depending on traffic jam)

Cornelia A Line Underground Station, distance 2 km, taxi 15 €

Holiday Inn phone numbers

Tel.:+39 06 66411200

Fax: +39 06 66414437

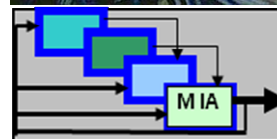
Rome temperature in May: 10 - 20°C, sunny

*All participants are entitled to receive a copy of the MIA Final
Report at the end of the Project*

The participation to the Conference is free of charge

**To register for the MIA Conference, please send an e-mail
to vincenzo.fioriti@enea.it**

For organizational reasons please register before May 10, 2010



MIA Project

**Definition of a methodology for the assessment
of mutual interdependencies between ICT and
electricity generation / transmission
infrastructure**



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Conference Themes

The Conference will present the results of the MIA Project (*Methodology for Inter-dependencies Assessment*) to the Critical Infrastructure Protection (CIP) community. The project, funded by the EU Department JLS has deeply investigated the relations between Power System and ICT networks, to provide *ad hoc* inter-dependency metrics selected among those actually used and state-of-the-art ones. Finding correct and meaningful metrics is just a part of the whole inter-dependency issue, nonetheless being the most relevant for its implication in the network design, protection, resilience and damage mitigation issues. Also from a theoretical standpoint, there is a lack of reliable inter-dependency models. This inhibits a correct prioritization of Critical Infrastructures (CIs) and prevents development of deeper insights in the CIP complex world. MIA should be considered as a first step in this direction, however the project has not been committed radically to solve this problem. The project attempted to discover and quantify hidden relations among technological networks, before any other relevant action is taken. During a crisis, judgment mistakes about what (and why) is necessary to protect firstly are crucial; mistakes have huge, often unaffordable costs, and we have learnt it the hard way. Thus, research must provide proper tools and disseminate them as soon as possible. The Conference will attempt to highlight the methodology that the MIA project has envisaged in order to provide some reliable metrics to measure interdependencies. Problems, methods and outcomes will be discussed with six international experts, several stakeholders, academics and all project's participants. Two Sections have been scheduled: project's results will be initially presented followed by a Round Table. People involved are those working in the areas of:

Telecom/ICT Systems and Network operators
Power Systems and Energy Network operators
Critical Infrastructure Protection
Crisis & Risk management
Modeling & Simulation
Vulnerability assessment and cascading effects

The MIA Consortium is composed by ENEA (coordinator), ERSE, Booz & Company, TERNA, TELECOM IT, and ENEL. Aside to these, many other institutions, companies and UE founded Projects as THALES, Selex, University of Roma 3, University of Tor Vergata, Fondazione Bordini, Protezione Civile, Poste Italiane, D'Appolonia, MOTIA, DIESIS, MICIE, NEISAS, EISN, are invited to participate and discuss the Project results.



19 May 2010 A G E N D A

19:30 Social Dinner (Hotel Holiday Inn)

20 May 2010 A G E N D A

08:30	Registration		
09:00	S. Bologna	ENEA	<i>General Introduction to MIA</i>
09:30	G. D'Agostino	ENEA	<i>The Topological Approach to Interdependency</i>
10:00	E. Ciapessoni	ERSE	<i>Interdependencies at the Service Level</i>
10:30	Coffee break		
11:00	S. Buschi, E. Casalicchio	Booz & Company	<i>Metric Definitions for Interdependency Assessment</i>
11:30	C. Liu	Dublin University	<i>Cyber Vulnerabilities of Power Grid Monitoring</i>
11:50	W. Kroeger	ETH Zurich	<i>Vulnerabilities Analysis of Interdependent CI</i>
12:10	D. Sutton	O2 UK	<i>Maintaining the Availability of Telecom Infrastructures</i>
12:30	Lunch		
14:00	R. Bloomfield	City University London	<i>Probabilistic Interdependency Analysis</i>
14:20	R. Clemente	Telecom Italia	<i>Telco-Power Interdependency Modeling in IRRIS</i>
14:40	C. Schwaegerl	Siemens	<i>The Impact of Distributed Generation on Mutual Interdependencies between ICT and Electricity Supply</i>
15:00	E. Luijff	TNO	<i>Threats to Critical Infrastructures and their Dependencies</i>
15:20	Coffee break		
15:50	Round Table	Chair: A. Gazzini, (Booz & Company)	<i>Grand Challenges in the Interdependencies Analysis</i>
17:30	End of Conference		