

Titolo del progetto	Critical Infrastructure Protection Research Network
Acronimo	CIPRNet
Descrizione del progetto	<p>CIPRNet links together a network of European expert centres on CIP R&D, geographically dispersed, into an integrated virtual community with the capability to support national, cross-border and regional crisis management in their preparation for and effective response to large national and cross-border disaster emergencies.</p> <p>The capability of effectively responding to a large disaster regarding any critical infrastructure consists of two capabilities:</p> <ol style="list-style-type: none"> 1. The capability of the onsite disaster response managers and first responders to act prompt and in the appropriate way, and 2. The capability of the expert support community to assess the interactions among multiple critical infrastructure systems (electricity, water supply, transportation, etc.) that support the preparation, response and recovery actions and the population in and around the disaster area.
TA/SG	TA 7?
Riferimento Bando	FP7 SEC-2011.7.4-1: Network of researchers for a high level multi-organisational and cross-border collaboration
Valore del progetto	€ 6.981.213,00
Pubblicazioni	<p>E. Ciancamerla, M. Minichino, S. Palmieri - On prediction of QoS of SCADA accounting cyber attacks - Probabilistic Safety Assessment and Management Conference (PSAM11) and the Annual European Safety and Reliability Conference (ESREL 2012) - Helsinki, Finland - 25-29 June 2012</p> <p>A. Bobbio, A. Bonaventura, E. Ciancamerla, D. Lefevre, M. Minichino, R. Terruggia - Temporal network reliability in perturbed scenarios: Application to a SCADA system. In Proceedings IEEE Annual Reliability and Maintainability Symposium, pages 1–7, Reno, NV, 2012.</p> <p>A. De Nicola, G. Vicoli, M. L Villani - A Rule-based Approach for Modeling Behaviour in Crisis and Emergency Scenarios Enterprise Interoperability V Raul Poler, Guy Doumeingts, Bernhard Katzy and Ricardo Chalmeta Springer, 2012</p> <p>E. Ciancamerla, M. Minichino, V. Rosato, G. Vicoli - SCADA systems within CI interdependency analysis: cyberattacks, resilience and quality of service - <i>Workshop on Experimental Platforms for Interoperable Public Safety Communications</i> - Joint Research Centre (JRC) – 10, 11 October 2011- Ispra - Italy</p>

E. Ciancamerla, D. Lefevre, M. Minichino - Service dependability and performance of SCADA systems interconnecting Power grids and Telco networks - ESREL 2011 Annual Conference of the European Safety and Reliability Association (ESRA) - Troyes, France - 18 - 22 September 2011 – ISBN 978-0-415-68379-1 (Hbk) – ISBN 978-0-203-13510-5 (eBook)

A. Bobbio, E. Ciancamerla, M. Minichino, R. Terruggia - Reliability Analysis of Multi-source Multi-sink Critical Interacting Systems - 3rd International Workshop on Dependable Control of Discrete Systems (DCDS) - Saarbrücken, Germany - Jun. 15-17, 2011

A. De Nicola, A. Tofani, G. Vicoli, M. L. Villani - Modeling Collaboration for Crisis and Emergency Management - The First International Conference on Advanced Collaborative Networks, Systems and Applications - COLLA 2011 Luxembourg June 19-24, 2011 isbn:978-1-61208-008-6

E. Ciancamerla, M. Minichino, V. Rosato, G. Vicoli - SCADA systems within CI interdependency analysis: cyberattacks, resilience and quality of service Workshop on Experimental Platforms for Interoperable Public Safety Communications Joint Research Centre (JRC) - Ispra - Italy 10, 11 October 2011

A. Bobbio, G. Bonanni , E. Ciancamerla, R. Clemente, A. Iacomini, M. Minichino, A. Scarlatti, R. Terruggia, E. Zendri - Unavailability of critical SCADA communication links interconnecting a power grid and a Telco network - Reliability Engineering and System Safety Journal – Elsevier editor , Vol 95, ISS.12, December 2010

P. Capodiecì, M. Minichino, S. Panzieri, M. Castrucci, A. Neri, L. Lev, P. Simões - MICIE: An Alerting Framework for Interdependent Critical Infrastructures - ICT 2010 Conference, Brussels Expo 27-29 September 2010

E. Ciancamerla, C. Foglietta, D. Lefevre, M. Minichino, L. Lev and Y. Shneck - Discrete event simulation of QoS of a SCADA system interconnecting a Power grid and a Telco network - 1st IFIP TC11 International Conference on Critical Information Infrastructure Protection 2010 World Computer Congress 2010 proceedings - Springer - Brisbane 2010 – ISSN 1868-4238

E. Ciancamerla, S. Di Blasi, C. Foglietta, D. Lefevre, M. Minichino, L. Lev and Y. Shneck - QoS of a SCADA system versus QoS of a Power distribution grid - 10th International Probabilistic Safety Assessment & Management (PSAM) Conference PSAM 10 - Seattle, WA June 7-11, 2010

E. Marchei, V. Fioriti, S. Ruzzante, E. Castorini, V. Rosato, 2010 Stability of a model of power microgeneration network using the Kuramoto model International Journal of System of Systems Engineering 2 doi:10.1504/IJSSE.2010.035382 non ISI

Curriculum	Michele Minichino
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