Soggetto proponente	Consorzio Interuniversitario Nazionale per l'Informatica
Titolo del progetto	INcreasing Security and Protection through infrastructure REsilience
Acronimo	INSPIRE
Descrizione del progetto	The INSPIRE project aims at enhancing the European potential in the field of security by assuring the protection of critical information infrastructures through the identification of their vulnerabilities and the development of innovative techniques for securing networked process control systems. To increase the resilience of such systems INSPIRE will develop traffic engineering algorithms, self-reconfigurable architectures and diagnosis and recovery techniques. Therefore, the core idea of the INSPIRE proposal is to protect critical information infrastructures by appropriately configuring, managing, and securing the communication network which interconnects the distributed control systems. A working prototype will be implemented and used as final demonstrator of specific scenarios. INSPIRE will also contribute to standardisation process in order to foster multi-operator interoperability and coordinated strategies for securing lifeline systems.
TA/SG	TA 5
Riferimento Bando	Joint Call FP7-ICT-SEC-2007-1
Valore del progetto	**€**
Pubblicazioni	*The human role in tools for improving robustness and resilience of critical infrastructures,*Aladino Amantini, Michal. Choras, Salvatore D'Antonio, Elyoenai. Egozcue, Daniel Germanus e Reinhard Hutter, Cognition, Technology & Work Journal, pp. 1-13, 2011 *Security Analysis of Smart Grid Data Collection Technologies,* L. Coppolino, S. D'Antonio, I.A. Elia e L. Romano, Lecture Notes in Computer Science, Book chapter of Computer Safety, Reliability, and Security, 2011, pp. 143-156, LNCS 6894 *Integration of a System for Critical Infrastructure Protection with the OSSIM SIEM platform: A Dam Case Study,* L. Coppolino, S. D'Antonio, V. Formicola e L. Romano, Lecture Notes in Computer Science, 2011, Book chapter of Computer Safety, Reliability, and Security, pp. 199-212, LNCS

	6894 *Dependability and resilience of computer networks (SCADA / cyber-security)*, L. Coppolino, S. D'Antonio, L. Romano, Book Chapter of CRITICAL INFRASTRUCTURE SECURITY: Assessment, Prevention, Detection, Response, WIT press *An Intrusion Detection System for Critical Information Infrastructures using Wireless Sensor Network technologies,* L. Coppolino, S. D'Antonio, L.Romano, G. Spagnuolo, The 5th International Conference on Critical Infrastructures, CRIS2010, Pechino, 20-22 settembre 2010 *Security Issues of a Phasor Data Concentrator for Smart Grid Infrastructure,* S. D'Antonio, L. Coppolino, I. A. Elia, V. Formicola, 13th European Workshop on Dependable Computing EWDC 2011, Pisa, 11-12 maggio 2011
Curriculum	