

Annex I: Representative publications resulting through the Action activities

1. S. Christodoulou and G. Ellinas, "Ant Colony Optimization Agents and Path Routing: The Cases of Construction Scheduling and Urban Water Distribution Pipe Networks", chapter in the book titled *Ant Colonies: Behavior in Insects and Computer Applications*, E. C. Sun (Ed), Nova Science Publishers, January 2011.
2. S. Christodoulou and G. Ellinas, "Pipe Routing through Ant Colony Optimization", *ASCE Journal of Infrastructure Systems*, 16(2):149-159, June 2010.
3. M. Polycarpou, G. Ellinas, E. Kyriakides, and C. Panayiotou, "Intelligent Health Monitoring of Critical Infrastructure Systems" *Proc. IEEE Complexity in Engineering (COMPENG)*, Rome, Italy, February 2010.
4. H. Erkan, G. Ellinas, A. Hadjiantonis, R. Dorsinville, and M. A. Ali, "Native Ethernet-Based Self-Healing WDM-PON Local Access Ring Architecture: A New Direction for Supporting Simple and Efficient Resilience Capabilities", *Proc. IEEE International Communications Conference (ICC)*, Cape Town, South Africa, May 2010.
5. A. M. Hadjiantonis and G. Ellinas, "Towards Autonomic Wireless Networking for the Future Internet", *Proc. Workshop on Socio-Economics Inspiring Self-Managed Systems and Concepts (SEISMYC 2010)*, Budapest, Hungary, September 2010.
6. T. Panayiotou, G. Ellinas, N. Antoniadis, and A. Hadjiantonis, "A Novel Segment-Based Protection Algorithm for Multicast Sessions in Transparent Optical Networks with Mesh Topologies", *Proc. IEEE/OSA Optical Fiber Communications Conference (OFC)*, Los Angeles, CA, March 2011.
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11. G. Gnecco, V. Kurkova, M. Sanguineti: Some comparisons of complexity in dictionary-based and linear computational models. *Neural Networks*, 24: 171-182, 2011.
12. S. Ferrari, F. Bellocchio, V. Piuri, N.A. Borghese, "A Hierarchical RBF Online Learning Algorithm for Real-Time 3-D Scanner", *IEEE Transactions on Neural Networks*, Vol. 21, pp. 275-285, 2010.
13. F. Scotti, V. Piuri, "Adaptive Reflection Detection and Location in Iris Biometric Images by Using Computational Intelligence Techniques", *IEEE Transactions on Instrumentation and Measurement*, Vol. 59, pp. 1825 – 1833, 2010.
14. Marco Calabrese, Alberto Amato, Vincenzo Di Lecce, Vincenzo Piuri, "Hierarchical-granularity holonic modelling", *Journal of Ambient Intelligence and Humanized Computing*, Springer Berlin / Heidelberg, 2010.
15. M. Lazzaroni, V. Piuri, C. Maziero, "Computer security aspects in industrial instrumentation and measurements", 2010 *IEEE Instrumentation and Measurement Technology Conference*, pp. 1216 – 1221, 2010.
16. T. Bianchi, R. Donida Labati, V. Piuri, A. Piva, F. Scotti, S. Turchi, "Implementing FingerCode-Based Identity Matching in the Encrypted Domain" in 2010 *IEEE*

- Workshop on Biometric Measurements and Systems for Security and Medical Applications, September 9, 2010.
17. M. Barni, T. Bianchi, D. Catalano, M. Di Raimondo, R. Donida Labati, P. Failla, D. Fiore, R. Lazzeretti, V. Piuri, F. Scotti, and A. Piva, "Privacy-Preserving Fingercodes Authentication", 12th ACM Multimedia and Security Workshop, September 9-10, 2010.
 18. M. Barni, T. Bianchi, D. Catalano, M. Di Raimondo, R. Donida Labati, P. Failla, D. Fiore, R. Lazzeretti, V. Piuri, F. Scotti, and A. Piva, "A Privacy-compliant Fingerprint Recognition System Based on Homomorphic Encryption and Fingercodes Templates", in IEEE Fourth International Conference on Biometrics: Theory, Applications and Systems, September 27-29, 2010.
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38. S. Vukmirovic, S. Lukovic, A. Erdeljan, F. Kulic, "A Smart Metering Architecture as a step towards Smart Grid realization". In Proceedings of the IEEE EnergyCon 2010, Bahrain, December 2010.
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40. S. Chakrabarti, E. Kyriakides, G. Ledwich, and A. Ghosh, "On the inclusion of PMU current phasor measurements in a power system state estimator," IET Generation, Transmission, and Distribution, vol. 4, no. 10, pp. 1104-1115, Sep. 2010.
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