



***INTERNATIONAL WORKSHOP***  
***NEW TRENDS OF COMPUTATIONAL INTELLIGENCE IN ENGINEERING INFORMATICS***

PROVINCIA DI SALERNO – SALERNO  
MAY 5 - 2011

Engineering Informatics embrace modern approaches and techniques breaking down static barriers between engineering and computer science fields. This workshop will focus on some advanced computational intelligence trends that changes the way engineers solve complex problems characterized by knowledge-intensive processing. As significant part of the workshop, experts coming from academic and industries will participate to specific panel sessions to share expertise, technological and research results, stimulating discussion on the generality, power and scalability of the proposed approaches.

***Workshop Chairs:***

*Prof. Matteo Gaeta, Prof. Vincenzo Loia* - University of Salerno

***Keynote Speakers:***

- *Prof. Piero Bonissone* – Chief Scientist, Coolidge Fellow GE Global Research Computing and Decision Sciences
- *Prof. Carlo Cecati* - Co-Editor in Chief of IEEE Transactions on Industrial Electronics–University of Aquila, Department of Electrical and Information Engineering
- *Prof. Vincenzo Piuri* - IEEE Division X Director - University of Milan, Department of Information Technology
- *Prof. Tomohiro Takagi* - Director, Meiji University Soft Computing Institute - Department of Computer Science, Meiji University

## **Programme Committee**

*Acampora Giovanni* - University of Salerno

*De Santo Massimo* - University of Salerno

*Di Nuovo Alessandro* - University of Catania

*Marcelli Angelo* – University of Salerno

*Marcelloni Francesco* - University of Pisa

*Masulli Francesco* – University of Genova

*Petrosino Alfredo* - University of Naples

*Piccolo Antonio* – University of Salerno

*Pietrosanto Antonio* – University of Salerno

*Senatore Sabrina* - University of Salerno

*Siano Pierluigi* - University of Salerno

*Tagliaferri Roberto* - University of Salerno

*Vaccaro Alfredo* – University of Sannio

*Vento Mario* – University of Salerno

## **Topics:**

Computational Intelligence

Collective Knowledge

Industrial Applications

e – Society

Business Intelligence

e – Learning

Emerging Scenario

**08:30** Registration

**9:00** *Welcome Session*

**9:00** *On. Edmondo Cirielli* - President of Provincia di Salerno

**9:10** *Prof. Matteo Gaeta* - University of Salerno

**9:20** *Prof. Vincenzo Loia* - Chair of the IEEE CIS Italian Chapter

**09:30** KEYNOTE: *Prof. Vincenzo Piuri* - *"Holon Systems: a Software Paradigm for Engineering Applications and Service-Oriented Architectures"*

**10:15** KEYNOTE: *Prof. Piero Bonissone* - *"Soft Computing in Prognostics and Health Management (PHM) Applications: A Case Study in Anomaly Detection"*

**11 :00** **Coffee break + Press Room**

**11:45** KEYNOTE: *Prof. Tomohiro Takagi* - *"Fundamental Idea and Applied Researches of Conceptual Fuzzy Sets"*

**12:30** KEYNOTE: *Prof. Carlo Cecati* - *"Industrial Electronics, Distributed Generation, Smart Grids and Computational Intelligence: New technologies for a sustainable future"*

**13:15** **Buffet**

**15:00** ROUND TABLE – *"Industrial Informatics for Smart Energy"* : **Chair: Prof. Matteo Gaeta**

- *Ing. Alfredo Adamo*, CEO OPERA21
- *Dott. Dario Avallone*, Director of the R&D Department, ENGINEERING INGEGNERIA INFORMATICA
- *Ing. Antonio Stefano Donnarumma*, President ACEA DISTRIBUZIONE
- *Ing. Mariano Maraniello*, Head of Local government Centre South FASTWEB S.p.A.
- *Prof. Giuseppe Zollo*, president of the Board of Directors - CITTÀ DELLA SCIENZA S.p.A