

# WIRN 2017 - Special Session Computational Intelligence and Related Techniques in Industrial and ICT Engineering

## SPECIAL SESSION PROPOSERS:

*Giovanni Angiulli* Dept. DIIES, Università degli Studi di Reggio Calabria, via Graziella Feo di Vito, 89122 - Reggio Calabria, Italy [giovanni.angiulli@unirc.it](mailto:giovanni.angiulli@unirc.it)

*Mario Versaci* Dept. DICEAM, Università degli Studi di Reggio Calabria, via Graziella Feo di Vito, 89122 - Reggio Calabria, Italy [mario.versaci@unirc.it](mailto:mario.versaci@unirc.it)

## Summary Statement

Information and Communications Technology (ICT) can be defined as the set of methods and technologies that provide to code, transmit, detect, decode and process the information. It can be considered as an essential resource for organizations and industries, for which become increasingly important the ability to manage in a quick, effective and efficient manner the increasing amount of heterogeneous data. This aim requires many transversal skills and sophisticated processing techniques. An important area of the computer science devoted to model complex systems is the Computational Intelligence (CI). CI is an emerging area of research that embraces artificial neural networks, support vector machines, fuzzy logic and evolutionary computation, having the aim to model and analyze complex structures and systems for discovering patterns in data. The primary goal of this special session is to promote researches on the overlap between these two interesting research fields, inviting the investigators to contribute with original research papers.

## Papers

1. F. Cauteruccio, P. Lo Giudice, G. Terracina, D. Ursino - Dept. DICEAM, Università degli Studi di Reggio Calabria, via Graziella Feo di Vito, 89122 - Reggio Calabria, Italy [ursino@unirc.it](mailto:ursino@unirc.it)  
"Applying Network Analysis for Extracting Knowledge about Environment Changes from Heterogeneous Sensors Data Streams"
2. G. Angiulli, M. Versaci, C. Morabito, D. De Carlo, A. Sgr -Dept. DIIES-DICEAM, Università degli Studi di Reggio Calabria, via Graziella Feo di Vito, 89122 - Reggio Calabria, Italy [giovanni.angiulli@unirc.it](mailto:giovanni.angiulli@unirc.it)  
"Comparison of Surrogate Models for Substrate Integrate Waveguide Devices Characterization"
3. M. Versaci, G. Angiulli, C. Morabito, -Dept. DIIES-DICEAM, Università degli Studi di Reggio Calabria, via Graziella Feo di Vito, 89122 - Reggio Calabria, Italy [mario.versaci@unirc.it](mailto:mario.versaci@unirc.it)  
"Advanced Computational Intelligence Techniques to Detect and Reconstruct Damages in Reinforced Concrete for Industrial Applications"
4. B. Cannas\*, S. Carcangiu\*, A. Fanni\*, A. Montisci\*, F. Pisano\*, M.C. Sanna\*, G. Sias\*, I. Luparelli\*\*, F. Militello\*\* -\*Dept. di Ingegneria Elettrica ed Elettronica, Università degli

Studi di Cagliari, Via Marengo, 09123 - Cagliari, Italy - \*\*Culham Centre for Fusion Energy, Abingdom, United Kingdom

[fanni@diee.unica.it](mailto:fanni@diee.unica.it)

"Cognitive Science for the Analysis of Filaments from Fast Visual Imaging Camer in Tokamak Reactors"

5. M.N. Postorino, G.M.L. Sarné - Dept. DICEAM, Università degli Studi di Reggio Calabria, via Graziella Feo di Vito, 89122 - Reggio Calabria, Italy

[npostorino@unirc.it](mailto:npostorino@unirc.it)

"A Reputation System for Car-Sharing Mobility Based on a Neural Network Approach".

The Easy Chair link for submission of contributes to your special session is

<https://easychair.org/conferences/?conf=wirn2017>

Please keep track of the following information when disseminating the call for your special session.

#### IMPORTANT DATES

First Paper Submission: April 16 2017

Notification of acceptance: May 16, 2017

Camera-ready copy: June 14 2017

Conference Dates: June 14-16, 2017

**PUBLICATION AND PAGE LIMITATIONS** The accepted contributions will be published on the Springer series on Smart Innovation Systems and Technologies

(see <http://www.springer.com/series/8767> for the download of the paper format). The paper's maximum length paper is 8 -10 pages. The manuscripts should be submitted by connecting to Easy Chair conference system:

<https://easychair.org/conferences/?conf=wirn2017>.

Log through your Easy Chair account or register for it and log in. Specify the name of the special session you want to submit your paper.

**REGISTRATION FEE** The registration fee to join the conference is 250 euros and include the social dinner. Registration can be done on site (using cash) or through bank transfer (the receipt must be exhibited at the conference). Bank Name: UBI-Banca Carime Branch: Filiale di Salerno - Agenzia Centrale [6701]; IBAN: IT26K0306715201000000022400; BIC/SWIFT CODE: CARMIT31; Reason: WIRN 2017 conference. For further details contact Miss Tina Nappi, email: [t.nappi@iiassvietri.it](mailto:t.nappi@iiassvietri.it)).