



**World Automation Congress (WAC) 2012
9th International Symposium on Soft
Computing for Industry (ISSCI 2012)**

<http://wacong.org>



CALL FOR PAPERS AND SPECIAL SESSIONS

June 24-28 2012

Hotel Fiesta Americana, Puerto Vallarta, MEXICO

**WAC papers can be found in IEEE Xplore database
Congress Theme: Green Energy for a Green Environment
WAC 2012 is dedicated To**

Nobel Laureate Professor Mario Molina

for his fundamental and outstanding contributions to science and technology of our environment, specially for the discovering of the Antarctic ozone hole and his role in elucidating the threat to the Earth's ozone layer of chlorofluorocarbon gases (CFCs).

ISSCI is one of the five WAC tracks or symposia and will be described below.

WAC 2012 Secretariat: WAC 2012, 18015 Bullis Hill, San Antonio, TX, 78258 USA, Phone: 210 479-1022, Fax: 210 479-1048, Email: wac@wacong.org

General Chairman: **Mo Jamshidi**, The University of Texas, San Antonio, USA (moj@wacong.org)

Co-General Chair: **Jila Salari Jamshidi**, TSI Enterprises, Inc., San Antonio, TX, USA (tsi@wacong.org)

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Call for Papers for the 9th International Symposium on Soft Computing for Industry (ISSCI 2012).

The Organizing Committee is pleased to invite you to submit papers to and attend the international World Automation Congress 2012 on ISSCI, that aims to bring together scientists, developers and users of hard- and software applications in which the principles of Soft Computing techniques are involved. By providing a number of themed tracks (both fundamental themes and application areas), the Program Committee has attempted to provide foci for scientific contributions while offering an opportunity to the participants to engage in stimulating discussions with colleagues who may have quite different application frames of reference.

Topics:

We solicit papers on theoretical issues and their applications related to Soft Computing Methods. Suggested topics include but are not limited to Theory and Software/Hardware Implementations of soft-computing techniques such as:

- Neural Nets
- Fuzzy Systems
- Fuzzy-Neural Systems
- Evolutionary Systems
- Swarm Intelligence
- Pattern Recognition
- Genetic Algorithms
- Support Vector Machines

and, in special, Green Energy for a Green Environment.

Chair: **Diego Andina**, Univ. Politécnic de Madrid, Spain (andina@gc.ssr.upm.es) Co-chairs: **Alireza Sadeghian**, Ryerson Univ., Canada, asadeghi@ryerson.ca **Matthias Reuter** TU-Clausthal, Germany matthias.reuter@tu-clausthal.de **Antonio Vega-Corona**, Univ. Guanajuato, Mexico tono@salamanca.ugto.mx **Rubén Ruelas**, Univ. Guadalajara, Mexico rubruel@gmail.com

International Program Committee:

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Hui Li (China)

Manuel Crisóstomo (Portugal)

Alexis E Marcano (Venezuela)

Special Sessions:

Bioinspired models for robotics and human-robot interaction

Organizers: Aleksandar Jevtic, Ph.D. in Computer Science, Robosoft
Eric Lucet, Dr.-Ing, Robosoft (France)

Intelligent Sensors & Signal Treatment:

Organizer: Wilmar Hernandez, Universidad Politécnica de Madrid

Soft computing techniques in biometrics:

Organizers: Valentina Emilia Balas, Aurel Vlaicu University of Arad
Nicolaie Popescu-Bodorin, Spiru Haret University, Bucharest, Romania

Computational intelligence, new methods and applications:

Organizers: Lakhmi C. Jain (Australia)
Valentina Emilia Balas, Aurel Vlaicu University of Arad

Soft computing for energy balance and agriculture production:

Organizer: Ana M. Tarquis, Universidad Politécnica de Madrid

Swarm Intelligence:

Organizers: Aleksandar Jevtic, Ph.D. in Computer Science, Robosoft
Marco Castellani, University of Bergen (UiB)

Robot map building, Intell. control&mechatronic systems:

Organizer: Jasmin Velagic, Faculty of Electrical Engineering, Univ.
of Sarajevo

Fuzzy Systems for Pattern Recognition:

Organizer: Rubén San-Segundo, ETSIT-UPM

Fuzzy-Neural Systems:

Organizers: B M Mohan (India), Prof. Matthias Reuter

Computational intelligence in medical applications:

Organizer: Daniel Ruiz, University of Alicante

Soft Computing in Environmental Applications:

Organizers: Antonio Vega Corona, Prof, Univ. Guanajuato
J. Miguel Barrón-Adame, Univ. Guanajuato

Fuzzy Adaptive Control:

Organizers: Tsung-Chih Lin, Feng-Chia University | Valentina
Emilia Balas, Aurel Vlaicu University of Arad

Soft Computing in Bioengineering:

Organizer: Alexis Marcano-Cedeño, Bioengineering and
Telemedicine Group. Technical University of Madrid

Ocean Remote Sensing:

Organizer: Ana M. Tarquis, Universidad Politécnica de Madrid

Clustering and data mining:

Organizers Benjamín Ojeda-Magaña, Universidad de
Guadalajara, Rubén Ruelas, Universidad de Guadalajara

Fuzzy logic for steering and control:

Organizers: Dariush Shahgoshtasbi (USA), B M Mohan

Intelligent and Neuro-fuzzy systems for robotics:

Organizer: Gordon Lee, San Diego State University

Industrial&Military applications of neural nets:

Organizer: Sabine Bohlmann, Matthias Reuter, TUC (Germany).

Special Issues of - *Intelligent Automation and Soft Computing - AutoSoft Journal IC-MED* and *IEEE Systems Journal*
WAC accepted and presented papers will be coordinated into a unified theme as SI of the WAC.

WAC 2010 is being organized by TSI Enterprises, Inc., San Antonio, TX, USA



Official publications – *Intelligent Automation and Soft Computing – AutoSoft Journal* (a well-respected 12-year old journal which is being abstracted at numerous sites and services around the world, autosoftjournal.org), as well as *Intelligent Computing in Medical Sciences and Image Processing – IC-MED Journal* For more details, contact Mo Jamshidi (moj@wacong.org) or Yutaka Hata (hata@ieee.org), respectively.

Time Schedule:

Special Sessions & regular papers - full papers (6 pages long)_with session title and perspective chairs- due **November 28, 2011**
Acceptance February 20, 2012
Final manuscripts upload and deposit payments due..... March 1, 2012
Early Registration due date April 1, 2012
Congress **June 24-28, 2011**