International Conference on

SOCO

Soft Computing Models in Industrial
and Environmental Applications

Burgos, Spain. SOCO'20
24th-26th June 2020
http://sococonference.eu

The 15th International Conference on Soft Computing Models in Industrial and
Environmental Applications (SOCO'20) is mainly focused on industrial applications.
SOCO Series of Conferences provides an interesting opportunity to present and discuss
the latest theoretical advances and real-world applications in this multidisciplinary
research field.

SOCO'20 will be held in conjunction with:
CISIS'20 http://cisisconference.eu
ICEUTE'20 http://iceuteconference.eu

_____-

Technically Co-Sponsored by:
Startup Olé - http://startupole.eu
IEEE Systems, Man, and Cybernetics Society, Spanish Chapter - http://ieee-smc.es
IEEE Systems, Man, and Cybernetics Society, Portuguese Chapter
IEEE Systems, Man, and Cybernetics Society, French Chapter -
https://smc028.hds.utc.fr/
IEEE Systems, Man, and Cybernetics Society, Italian Chapter

_____

*** SPECIAL ISSUES ***
All the accepted papers of SOCO conference (submitted both to the general track and
the special sessions) will be considered for its possible inclusion in a special issue of the
following journals:
* Neurocomputing (Elsevier). 2018 JCR Impact Factor: 4.072 – Q1
* Logic Journal of the IGPL (Oxford University Press). 2018 JCR Impact Factor: 0.609
– Q2
* Cybernetics and Systems (Taylor & Francis). 2018 JCR Impact Factor: 1.681 – Q3

More journals could be announced soon.

*** IMPORTANT DATES ***
Paper Submission Deadline: 3rd February 2020 (EXTENDED)
Acceptance notification: 1st April 2020
Submission of revised papers: 8th April 2020
Final version submission: 11th April 2020
Payment Deadline: 11th April 2020
Conference Dates: 24th-26th June 2020

*** SPECIAL SESSIONS ***
The following special sessions have been confirmed up to now:
SS01 - Contributions of Soft Computing to Precision Agriculture
SS02 - Soft Computing Methods in Manufacturing and Management Systems
SS03 - Soft Computing Applications for the Management of Industrial and Environmental Enterprises
SS04 - Optimization, Modeling and Control by Soft Computing Techniques
SS05 - Soft Computing and Machine Learning in Non-linear Dynamical Systems and Fluid Dynamics: new Methods and Applications
SS06 - Soft Computing Techniques and Applications in Logistics and Transportation Systems
SS07 - Soft Computing and Machine Learning in IoT, Big Data and Cyber Physical Systems
SS08 - Soft Computing applied to Robotics and Autonomous Vehicles
SS09 - Soft Computing for Forecasting Industrial Time Series
SS10 - Semantic Information in Industry 4.0
SS11 - Applications of Machine Learning in Computer Vision
SS12 - Artificial Intelligence for Energy-related Problems
SS13 - Computational Intelligence for Laser-Based Sensing and Measurement

Further information about the special sessions is available at
http://2020.sococonference.eu/special-sessions

*** PROCEEDINGS ***
SOCO'20 proceedings will be published by Springer in a special volume of Advances in Intelligent Systems and Computing, indexed by ISI Proceedings, DBLP and Springerlink, among others. All submissions will be refereed by experts in the field based on originality, significance, quality and clarity.
Every submitted paper to SOCO'20 will be reviewed by at least two members of the Program Committee.

*** TOPICS ***
The topics of interest include, but are not limited to:
• Green Computing
• Evolutionary Computing
• Neuro Computing
• Probabilistic Computing
• Immunological Computing

- Hybrid Methods
- Causal Models
- Case-based Reasoning
- Chaos Theory Fuzzy Computing
- Intelligent Agents and Agent Theory
- Interactive Computational Models

The application fields of interest cover, but are not limited to:
- Industry 4.0
- Decision Support
- Process and System Control
- System Identification and Modelling
- Optimization
- Signal or Image Processing
- Vision or Pattern Recognition
- Condition Monitoring
- Fault Diagnosis
- Systems Integration
- Internet Tools
- Human Machine Interface
- Time Series Prediction
- Robotics
- Motion Control & Power Electronics
- Biomedical Engineering
- Virtual Reality
- Reactive Distributed AI
- Telecommunications
- Consumer Electronics
- Industrial Electronics
- Manufacturing Systems
- Power and Energy
- Data Mining
- Data Visualisation
- Intelligent Information Retrieval
- Bio-inspired Systems
- Autonomous Reasoning
- Intelligent Agents
- Databases

PAPER SUBMISSION
All submissions will be refereed by experts in the field based on originality, significance, quality and clarity. Every submitted paper to SOCO'20 will be reviewed by at least two members of the Program Committee.
Papers must be prepared according to Springer's templates (MS Word or LaTeX format) for the Advances in Intelligent and Computing volume series (http://www.springer.com/series/11156) and must be no more than ten (10) pages long, including figures and bibliography. Additional pages (over 10 pages) will be charged at 150 Euro each.

The submission system is available at https://easychair.org/conferences/?conf=soco2020

For further information, please visit http://2020.sococonference.eu/paper-submission-publication/

*** SOCIAL ACTIVITIES ***
The conference will be held during the local fair (Saint Peter) so there is going to be plenty of social and leisure activities.

*** CONTACT ***
Dr. Álvaro Herrero
University of Burgos (Spain)
GICAP Research Group
E-mail: ahcosio@ubu.es
Web: http://gicap.ubu.es

Dr. Emilio Corchado
University of Salamanca (Spain)
BISITE Research Group
Web: http://bisite.usal.es

For more information and updates about SOCO'20, please refer to the conference website:
http://sococonference.eu