

CALL FOR PAPERS



INES 2015

19th IEEE International Conference on
Intelligent Engineering Systems 2015

Bratislava, Slovakia

September 3-5, 2015

INES 2015 Honorary Chairs

Lotfi A. Zadeh, USA
Bogdan M. Wilamowski, USA
János Fodor, Óbuda University, Budapest, Hungary
Robert Redhammer, Slovak University of Technology, Slovakia

INES 2015 General Chairs

Imre J. Rudas, Óbuda University, Budapest, Hungary
Stanislav Biskupič, Slovak University of Technology, Slovakia

INES 2015 Technical Program Committee Chair

Levente Kovács, Óbuda University, Budapest, Hungary

INES 2015 Technical Program Committee

Rudolf Andoga, Technical University of Košice, Slovakia
Monika Bakošová, Slovak University of Technology, Slovakia
Valentina Balas, "Aurel Vlaicu" University, Arad, Romania
Ildar Batyrshin, Mexican Petroleum Institute, Mexico
Barnabás Bede, USA
Attila L. Bencsik, Óbuda University, Budapest, Hungary
Balázs Benyó, BME, Hungary
Miroslav Fikar, Slovak University of Technology, Slovakia
Tom Gedeon, Australian National University, Australia
Gerhard Hancke, University of Pretoria, South Africa
Gábor Hegedűs, Óbuda University, Budapest, Hungary
László Horváth, Óbuda University, Budapest, Hungary
Karel Jezernik, University of Maribor, Slovenia
Zsolt Csaba Johanyák, Kecskemét College, Hungary
László T. Kóczy, Széchenyi István University, Győr, Hungary
George Kovács, CAI of HAS, Hungary
Szilveszter Kovács, University of Miskolc, Hungary
Krzysztof Kozłowski, University of Poznan, Poland
Krisztián Lamár, Óbuda University, Budapest, Hungary
Ladislav Madarász, Technical University of Košice, Slovakia
Ján Murguš, Slovak University of Technology, Slovakia
Rita Ósz, Óbuda University, Budapest, Hungary
Endre Pap, University of Novi Sad, Serbia
Béla Pátkai, Tampere University of Technology, Finland
Emil M. Petriu, University of Ottawa, Canada
Radu-Emil Precup, „Politehnica” University of Timișoara, Romania
Stefan Preiș, „Politehnica” University of Timișoara, Romania
Octavian Prostean, „Politehnica” University of Timișoara, Romania
Boris Rohál-Ilkiv, Slovak University of Technology, Slovakia
Gregor Rozinaj, Slovak University of Technology, Slovakia
János Somló, BME, Hungary
Sándor Szénási, Óbuda University, Budapest, Hungary
Pavol Tanuška, Slovak University of Technology, Slovakia
József K. Tar, Óbuda University, Budapest, Hungary
Jose Antonio Tenreiro Machado, Institute of Engineering of Porto, Portugal
Annamária R. Várkonyi-Kóczy, Óbuda University, Budapest, Hungary
Jozef Živčák, Technical University of Košice, Slovakia

INES Financial Chair

Anikó Szakál, Óbuda University, Budapest, Hungary

INES 2015 Organizing Committee Chair

Alajos Mészáros, Slovak University of Technology, Slovakia

INES 2015 Organizing Committee

Dušan Faktor, Slovak University of Technology, Slovakia
József Gáti, Óbuda University, Budapest, Hungary
Laura Gressnerová, Slovak University of Technology, Slovakia
Gyula Kátyás, Óbuda University, Budapest, Hungary
Krisztina Némethy, Óbuda University, Budapest, Hungary
Ivan Prelovský, Slovak University of Technology in Bratislava, Slovakia

INES Series Life Secretary General

Anikó Szakál
Óbuda University, Budapest, Hungary
E-mail: szakal@uni-obuda.hu

Organizers: Óbuda University, Budapest, Hungary
Slovak University of Technology in Bratislava
Sponsored by: IEEE Hungary Section
IEEE Joint Chapter of IES and RAS, Hungary
IEEE SMC Chapter, Hungary
IEEE Computational Intelligence Chapter, Hungary
Technical Co-Sponsor: IEEE Industrial Electronics Society



Topics include but not limited to:

Artificial Intelligence in Engineering: Reasoning, Learning, Decision Making, Knowledge Based Systems, Expert Systems

CAD/CAM/CAE Systems: Product Modeling, Shape Modeling, Manufacturing Process Planning

Communications Software and Systems in Engineering: Design Methodologies and Tools, Object-oriented, UML, Software Engineering

Computational Intelligence in Engineering: Machine Learning, Genetic Algorithms, Neural Nets, Fuzzy Systems, Fuzzy and Neuro-fuzzy Control

Intelligent Manufacturing Systems: Production Planning and Scheduling, Rapid Prototyping, Flexible Manufacturing Systems, Collaborative Engineering, Concurrent Engineering

Intelligent Mechatronics and Robotics Systems: Control, Perception and Recognition, Sensing and Sensor Data Fusion, Intelligent Sensors, Intelligent Motion Control, Service Robots

Intelligent Signal Processing

Intelligent Transportation Systems: Navigation Systems, On-board Systems, Real-time Traffic Control

Man-Machine Systems: Human Computer Interaction, Multimedia Communications, Advanced Computer Graphics, Virtual Reality

Ontologies and Semantic Engineering: Ontology, Thesaurus, Disambiguation, Semantic Inference, Natural Language Interaction

Systems Engineering: Systems Analysis, Systems Methodology, Self-Organizing Systems, Systems Integration, Large Scale Systems, Systems Simulation, Diagnosis and Performance Monitoring

Web Engineering: Intelligent Information Retrieval and Recommendation, Textual and Visual Interaction and Interfaces, User Behavior Analysis and Modeling, Data Modeling, Information Visualization, Knowledge Acquisition

Submission of Papers

The working language of the conference is **English**. Prospective authors are invited to submit full papers.

Paper Acceptance

Each accepted paper has to be presented by one of the authors at the conference and must be accompanied with a registration fee.

<http://www.ines-conf.org>

Full paper submission: **May 29, 2015**

Notification deadline: **July 3, 2015**

Final paper submission: **August 1, 2015**