

2013 IEEE International Conference on Cybernetics (IEEE CYBCONF 2013)

Lausanne, Switzerland, 13-15 June 2013

Systems, Man,
& Cybernetics
Society



FROM HUMAN IN THE LOOP TO AUTONOMOUS SYSTEMS: NOVEL CYBERNETICS APPROACHES

The biannual conference on Cybernetics provides a premier international forum for researchers and practitioners to report the latest innovations, summarize the state-of-the-art, and exchange ideas and advances in all aspects of Cybernetics. It is sponsored by IEEE Systems, Man and Cybernetics Society and continues the tradition of IEEE SMC Conferences organized annually with three main components including Systems Engineering, Human-Machine Systems and Cybernetics. IEEE SMC Society decided to organize conferences on each of the three main streams biannually starting with the IEEE CYBCONF 2013 in the beautiful city of Lausanne hosted by the EPFL. The conference will include Workshops, Tutorials, special sessions, and plenary talks by invited eminent speakers listed below. Conference proceedings will be available on IEEE Xplore. The overarching theme of the conference is: 'From 'Human in the Loop' to 'Autonomous Systems: Novel Approaches to Cybernetics'. The topics of interest include all aspects of Cybernetics and its applications and are organized in Topic Areas as listed below.

Topic Areas

- ✓ Autonomous Systems
- ✓ Self-adaptive and Evolving Systems
- ✓ Human in the Loop and BMI
- ✓ Cyber-security
- ✓ Computational Awareness
- ✓ Medical & Health Informatics

Plenary Speakers:

- Prof. Michio Sugeno;
Tokio Institute of Technology, Japan
- Prof. Alcherio Martinoli;
Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
- Dr. John Krumm; Microsoft Research, USA
- Prof. Vladimir Marik; Czech Technical Univ., CZ

Important dates:

- **Tutorials proposals** Jan 31, 2013
- **Special sessions proposals** Jan 31, 2013
- **Paper submission** Jan 31, 2013
- **Notification of acceptance** Mar 25, 2013
- **Final paper submission** Apr 22, 2013
- **Early registration** Apr 22, 2013

Web link: www.cybconf2013.org

General Chair:

Jose del R Millan, Switzerland

General co-Chair:

Dimitar Filev, USA

Program Chair:

Plamen Angelov, UK

Program co-Chairs:

Chris Nemeth, USA

Chih Min Lin, Taiwan

Organizing Committee:

Special Sessions

Hideyuki Takagi, Japan

co-Chairs:

Andreas Nürnberger, Germany

Tutorial/Workshop co-Chairs

Robert Babuska, Netherlands

Ricardo Chavarriaga

Local Arrangements co-Chairs

Tom Carlson, Switzerland

Najate Guechoul, Switzerland

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