

# 2012 IEEE Conference on Evolving and Adaptive Intelligent Systems

<http://www.uc3m.es/eais12>

Deadline Extended: February, 15

Carlos III University - Madrid, Spain

May 17-18 2012

One of the important research challenges today is to develop new theoretical methods, algorithms, and implementations of systems with a higher level of flexibility and autonomy, we can say with higher level of intelligence. Intelligent systems should be dynamically evolving and be able to adapt and learn. That is, the system must be able to evolve, to self-develop, to self-organize, to self-evaluate and to self-improve. The emerging area of Evolving Intelligent Systems targets non-stationary processes by developing novel on-line learning methods and computationally efficient algorithms for real-time applications. Some of the natural implementation areas of Evolving and Adaptive Intelligent systems are: wireless sensor networks, assisted ambient intelligence, embedded soft computing diagnostics and prognostics algorithms, intelligent agents, smart evolving sensors, autonomous robotic systems etc.

EAIS 2012 continues the tradition established by the successful series of IEEE conferences starting with EFS'06 (Lake District, England), GEFS'08 (Witten-Bomerhoz, Germany), ESDIS'09 (Nashville, USA), EIS'10 (Leicester, England), and EAIS'11 (Paris, France). It will provide a friendly atmosphere and will be a leading international forum focusing on discussing problems, research, results and future directions in the area of Evolving and Adaptive Intelligent Systems.

## International Programme Committee:

Plamen Angelov ([p.angelov@lancaster.ac.uk](mailto:p.angelov@lancaster.ac.uk))

Dimitar Filev ([dfilev@ford.com](mailto:dfilev@ford.com))

Nikola Kasabov ([nkasabov@aut.ac.nz](mailto:nkasabov@aut.ac.nz))

## Organizing Programme Committee:

José Antonio Iglesias ([jiglesia@inf.uc3m.es](mailto:jiglesia@inf.uc3m.es))

Agapito Ledezma ([ledezma@inf.uc3m.es](mailto:ledezma@inf.uc3m.es))

Araceli Sanchis ([masm@inf.uc3m.es](mailto:masm@inf.uc3m.es))

## IMPORTANT DATES:

**Paper Submission Due: February 15, 2012  
(Extended)**

**Notification of Acceptance: March 1, 2012**

**Camera-Ready Papers Due: March 20, 2012**

## Organized and Sponsored by



## Organized by:

**Technical Committee  
on Evolving  
Intelligent Systems**



Universidad  
Carlos III  
de Madrid



[www.uc3m.es/eais12](http://www.uc3m.es/eais12)