



Killarney, Ireland

Cill Airne, Éire

July 12–17, 2015

<http://ijcnn.org>

## Organizing Committee

### General Chair

De-Shuang Huang, *Tongji University, China*  
[dshuang@tongji.edu.cn](mailto:dshuang@tongji.edu.cn)

### Program Chair

Yoonsuck Choe, *Texas A&M University, USA*  
[choe@tamu.edu](mailto:choe@tamu.edu)

### Technical Program Co-Chairs

Haibo He, *University of Rhode Island, USA*  
[he@ele.uri.edu](mailto:he@ele.uri.edu)

Asim Roy, *Arizona State University, USA*  
[Asim.Roy@asu.edu](mailto:Asim.Roy@asu.edu)

### Plenary Chair

Francesco Carlo Morabito, *U. of Reggio Calabria, Italy*

### Special Sessions Co-Chairs

Mike Gashler, *University of Arkansas, USA*  
José García-Rodríguez, *Univ. of Alicante, Spain*

### Tutorials Chair

Martin McGinnity, *Nottingham Trent U., UK, and*  
*University of Ulster, UK*

### Workshop Chair

Pierre-Yves Oudeyer, *INRIA, France*

### Poster Session Chair

Xiao-Hua (Helen) Yu, *Cal Polytech Univ., USA*

### Competition Chair

Abir Hussain, *Liverpool John Moores U., UK*

### Panels Chair

Juyang (John) Weng, *Michigan State U., USA*

### Awards Chair

Plamen Angelov, *Lancaster University, UK*

### Web Reviews Chair

Tomasz Cholewo, *Lexmark Int'l Inc., US*

### Sponsors & Exhibits Chair

Hanning Zhou, *Zhigu Technology, China*

### Publications Chair

Amir Hussain, *University of Stirling, UK*

### International Liaison

Nikola Kasabov, *Auckland U. of Tech., New Zealand*

### European Liaison

Péter Érdi, *Kalamazoo College, USA*

### Publicity Co-Chairs

Bill Howell, *Natural Resources Canada, Canada*  
Yun Raymond Fu, *Northeastern Univ., USA*  
Giacomo Boracchi, *Politecnico di Milano, Italy*

### Local Arrangements Co-Chairs

Marion McAfee, *Inst. of Tech. Sligo, Ireland*  
Kang Li, *Queens Univ., Belfast, UK*

### Webmaster

Jaerock Kwon, *Kettering University, USA*

The **2015 International Joint Conference on Neural Networks** will be held at the Killarney Convention Centre in Killarney, Ireland, July 12–16, 2015. The conference is organized jointly by the **International Neural Network Society** and the **IEEE Computational Intelligence Society**, and is the premiere international meeting for researchers and other professionals in neural networks and related areas.

The range of topics covered include, but is not limited to the following.  
(See <http://ijcnn.org/2015> for a more detailed list of topics).

- Neural network theory & models
- Computational neuroscience
- Cognitive models
- Brain-machine interfaces
- Embodied robotics
- Evolutionary neural systems
- Neurodynamics
- Neuroinformatics
- Neuroengineering
- Hardware, memristors
- Neural network applications
- Machine vision
- Big data
- Pattern recognition
- Machine learning
- Collective intelligence
- Hybrid systems
- Self-aware systems
- Data mining
- Sensor networks
- Agent-based systems
- Computational biology
- Bioinformatics
- Artificial life
- Connectomics
- Deep learning

The conference will feature:

- Contributed technical talks and posters of latest research from around the world.
- Plenary lecturers by world-famous researchers in neural networks and related fields:
  - Confirmed plenary speakers: Lee Giles (Penn State Univ.), Marios M. Polycarpou (Univ. of Cyprus), Vincenzo Piuri (Univ. of Milan), Barak Pearlmutter (National Univ. of Ireland), Steve Furber (Univ. of Manchester), Giacomo Rizzolatti (Univ. of Parma).
- Special sessions covering topics of active current interest.
- Pre-conference tutorials and post-conference workshops with presentations by experts.
- Challenging competitions on applying neural networks to hard computational problems.

### Important Dates:

Special session & competition proposals submission:	November 10, 2014
Tutorial and workshop proposal submission:	December 15, 2014
Paper submission:	January 15, 2015
Paper decision notification:	March 15, 2015
Camera-ready submission:	April 15, 2015

## Sponsored by

