

# **Call for Papers**

## **World Congress on Computational Intelligence**

### **WCCI 2014 Special Session on**

#### ***Towards Human-Like Intelligence (THLI)***

The WCCI 2014 *Special Session on Towards Human-Like Intelligence (THLI)* is organized by the IEEE Computational Intelligence Society (CIS) Task Force on Towards Human-Like Intelligence ([http://www.mini.pw.edu.pl/~mandziuk/cis\\_tf\\_thli/](http://www.mini.pw.edu.pl/~mandziuk/cis_tf_thli/)). It is one of a series of events, following the success of 2013 IEEE Symposium on Computational Intelligence for Human-Like Intelligence (CIHLI) as part of Symposium Series on Computational Intelligence (SSCI 2013) held in Singapore from 16 to 19 April 2013 and will be followed by 2014 IEEE Symposium on Computational Intelligence for Human-Like Intelligence as part of SSCI 2014 to be held in Orlando, USA from 9 to 12 December 2014.

The main goal of this special session is to promote and advance research activities related to achieving all facets of human-like intelligence, including learning, reasoning, problem solving, intuition, creativity, insight, emotion, motivation, curiosity, and imagination. The organizers encourage submission of papers describing interdisciplinary research, development, and applications of various Computational Intelligence paradigms, including neural networks, fuzzy logic, genetic algorithms, memetic computing, machine learning, and statistical techniques, towards creating human-like behavior, performance and characteristics.

## **Topics of Interests**

The special session welcomes all papers related to accomplishing human-like intelligence by artificial and/or biologically-inspired systems, models, and algorithms. The topics of interests include but are not limited to:

- Models and architectures for human-like intelligence
- Cognitively-plausible architectures and systems
- Biologically-inspired cognitive models
- Knowledge representation, learning and reasoning
- Emulating intuition, creativity, insight, curiosity, personality and imagination
- Chunk-based representations and the use of geometrical properties in problem solving
- High level cognition
- Motivation in autonomous behavior
- Emotion in human intelligence
- Machine consciousness
- Autonomous learning, active learning
- Transfer learning and multi-task learning

## Important Dates

December 20, 2013	Paper submission deadline
March 15, 2014	Author notification of acceptance
April 15, 2014	Deadline for receipt of final manuscript

## Information for Authors

- 1) Information on the format and templates for papers can be found here:  
<http://www.ieee-wcci2014.org/Paper%20Submission.htm>
- 2) Papers should be submitted via the **IJCNN 2014** paper submission site:  
<http://ieee-cis.org/conferences/ijcnn2014/upload.php3>)  
Select the Special Session name in the Main Research topic dropdown list
- 3) Fill out the input fields, upload the PDF file of your paper and finalize your submission by the deadline of **December 20, 2013**

## Special Session Organizers

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