

CIHLI 2013

2013 IEEE Symposium on Computational Intelligence for Human-like Intelligence

Symposium organizers welcome papers related to accomplishing human-like intelligence by artificial systems. In many research domains the existing state-of-the-art AI/CI solutions significantly differ from the human competence level. Even though it is generally not clear whether human-like approach would show its upper-hand over existing methods, the exploration of this research path seems to be advantageous and challenging.

The main goal of this symposium is to promote and advance research activities related to all facets of human-like intelligence. The organizers encourage submission of the papers describing application of various Computational Intelligence paradigms including neural networks, genetic / memetic computing, fuzzy logic, reinforcement learning to human-like knowledge acquisition and representation and human-like problem solving.

CIHLI Topics

Topics of interest include but are not limited to:

- problem solving based on intuition, creativity, insight, curiosity and imagination;
- chunk-based representations and the use of geometrical properties in problem solving,
- hierarchical knowledge representation,
- the role of motivation in autonomous behavior,
- guiding role of emotions in discovery;
- machine consciousness,
- lifelong learning, transfer learning and multitask learning,
- cognitively-plausible architectures and systems.

Keynote, Tutorial and Panel Sessions

Please forward your proposals with detailed abstract and bio-sketches of the speakers to Symposium Co-Chairs and SSCI Keynote-Tutorial Chair, Dr S Das.

Special Sessions

Please forward your special session proposals to Symposium Co-Chairs.

[The "Complexity Brake," a Real or Imaginary Challenge to Human Level Machine Intelligence?](#), Dr Stephen Thaler, Imagination Engines, Inc., USA (sthaler@imagination-engines.com)

[General Intelligence in Embodied Agents](#), Dr Ben Goertzel, Novamente LLC and Hong Kong Polytechnic University, (ben@goertzel.org)

Symposium Co-Chairs

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Ah-Hwee Tan - Nanyang Technological University, Singapore

Stephen Thaler – Imagination Engines, Inc., USA

Kristinn Thorisson – Reykjavik University, Iceland

Lipo Wang - Nanyang Technological University, Singapore

Pei Wang - Temple University, USA

Roseli Wedemann – State University of Rio de Janeiro, Brazil