NCEI
Neuro **C**omputing & **E**volving **I**ntelligence

2012

Important Dates:

Abstract Submission:
30th April 2012

Notification of Acceptance:
15th May 2012

Registration:
25th May 2012

Conference Date:
8th June 2012

Camera-Ready Submission of paper for a post-conference publication:
30th July 2012

General Chair
Prof. Nikola Kasabov

Organising Chair
Joyce D'Mello

Programme Co-Chairs
Dr. Ammar Mohemmad
Dr. Raphael Hu
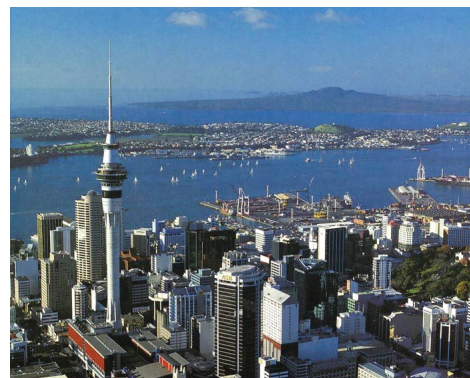Dr. Russel Pears

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www.kedri.info

Call for Papers
12th Conference on Neuro-Computing and Evolving Intelligence (NCEI'12)
Auckland, New Zealand, 8th June 2012
Venue: AUT University

NCEI'12 conference/workshop is a continuation of a previous conference series in NZ - ANNES, established in 1993. This conference aims at promoting research and development activities focused on advanced intelligent computing techniques by providing a vibrant and effective forum across a variety of disciplines. The scope of the conference includes a range of techniques such as Artificial Intelligence, Neural Networks, Evolutionary Computing, Brain Computer Interfaces, Informatics Theory and Applications, Computational Neuroscience, Neuromorphic computation, Bioinformatics, Pattern Recognition, Data Mining and Health Informatics. The workshop will publish an edited volume through the Springer Series of Bio- and Neuroinformatics. The NCEI 2012 workshop is organized as a pre-conference workshop held just before the WCCI'12 in Brisbane, Australia (June 10-15, 2012). This is to make the most of the expertise of many colleagues who want to visit one of New Zealand's leading research Institutes - the Knowledge Engineering and Discovery Research Institute (KEDRI) of the Auckland University of Technology, AUT (www.kedri.info) before the WCCI'12 and also to celebrate the 10 years of the establishment of KEDRI.

Suggested topics for the conference include, but are not limited to:

- Methods of computational intelligence
- Spiking Neural Networks
- Personalized Modeling
- Brain-Computer Interfaces
- Neuromorphic computation
- Computational Neurogenetic Modeling
- Bioinformatics
- Health informatics
- Data mining
- Neuroinfortmatics
- Pattern recognition

Preliminary list of confirmed Speakers :
Giacomo Indiveri, Institute for Neuroinformatics, UZH-ETH Zurich, Switzeralnd;
Zeng-Guang Hou, The Chinese Academy of Sciences, China;
Plamen Angelov, Lancaster University, UK;
Dimitar Filev, Ford, USA;
Christer Carlsson, Åbo Akademi University, Finland;
Robert Kozma, The University of Memphis, USA;
Petar Kormushev, Italian Institute of Technology, Italy;
Jonathan Hoyin Chan, King Mongkut's University of Technology, Thailand;
Prof. Donald C. Wunsch II, Missouri University of Science & Technology, USA;
Dr. Lubica Benuskova, University of Otago, New Zealand;
Prof. Ganesh Kumar Venayagamoorthy, Clemson University, USA.

Submission and registration: All abstracts will be published in the NCEI '12 KEDRI publications. Selected papers will be published as a volume of the Springer series of Bio- and Neuro-Informatics after the conference.

Registration fee: NZD 150.00

Sponsors: KEDRI; AUT University; School of Computing and Mathematical Sciences;
Faculty of Design & Creative Technologies;
EU Marie Curie Grant EvoSpike, INI/ETH/UZH.

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