Call for Papers

Eighth International Conference on

Simulated Evolution And Learning (SEAL-2010)

01 - 04 December 2010

Indian Institute of Technology Kanpur, India

About SEAL

SEAL-2010 is the eighth biennial conference in the highly successful conference series* that aims at exploring evolution and learning as two forms of adaptation and their roles and interactions in adaptive systems.

Program Tracks

Original work in the form of papers of maximum length 10 pages are invited in the following broad topics:

- Evolutionary Optimization
- Evolutionary Learning
- Hybrid Learning
- Adaptive Systems
- Theoretical Issues in Evolutionary Computation
- Real-World Applications of Evolutionary Computation and Learning Techniques

Review Process & Proceedings

All submitted papers will be reviewed on the basis of relevance, originality, significance, soundness and clarity by at least three referees. Accepted papers presented at the conference will be published as a volume of the **Lecture Notes in Computer Science** (LNCS, Springer) series.

Important Deadlines:

Paper submission: **20 July, 2010**
Notification of acceptance: **16 August, 2010**
Camera-ready papers: **03 September, 2010**

Tutorials and Workshops

A number of eminent EC and machine learning researchers will present tutorials on various state-of-the-art methodologies. A few workshops and an industry session are also planned. To date, the following speakers have agreed to deliver tutorial sessions:

B. Yegnanarayana: ANN applications in optimization
D. Goswami: Quantum computing

Organizers

General Chair: Kalyanmoy Deb
Program Chairs: Arnab Bhattacharya, Ashu Jain, Joydeep Dutta, Nirupam Chakraborti, Partha Chakroborty, Swagatam Das
Technical Co-Chairs: J. Branke, K.C. Tan, S.J. Louis
Industrial Session Chair: V. Aggarwal

International Advisory Committee

A. K. Pal (India), Hans-Paul Schwefel (Germany), Kim Jong-Hwan (Korea), Lothar Thiele (Switzerland), Peter Fleming (UK), Xin Yao (UK)

Keynote Speakers

Manindra Agrawal: Primes are in P.
Narendra K. Karmarkar: Fundamental recent advances in optimization.
Toshio Fukuda: Intelligent robot for multi-mode locomotion.

International Program Committee

Adam Berry, Australia	Dan Dumitrescu, Romania	Jacques Periaux, France	Nikhil Padhye, India	S Tiwari, USA
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Byoung-Tak Zhang, Korea	Gaspar Cunha, Portugal	Madan Dabbeeru, India	Ranjan Ganguli, India	Vineet Khare, India
Carlos C Coello, Mexico	Hans-G Beyer, Austria	March Schoenauer, France	S N Singh, India	Vipin Tripathi, India
Carlos Fonseca, Portugal	Henrik Saxen, Finland	Matthias Ehrgott, New Zealand	Salvatore Greco, Italy	Weihang Zhu, USA
Christie Myburgh, Australia	Hisao Ishibuchi, Japan	M Raghuvanshi, India	Sanaz Mostaghim, Germany	Yaochu Jin, Germany
Clarisse Dhaenens, France	Hussein Abbass, Australia	Nicola Beume, Germany	S Bandyopadhyay, India	Pramod K. Singh, India

About the Venue

Currently celebrating its Golden Jubilee, Indian Institute of Technology Kanpur is one of the premier research institutes in India. A limited number of guest rooms are available within campus on first come first serve basis.

*Previous SEAL Conferences: SEAL-2008 (Melbourne, Australia), SEAL-2006 (Hefei, China), SEAL-2004 (Busan, Korea), SEAL-2002 (Singapore), SEAL-2000 (Nagoya, Japan), SEAL-1998 (Canberra, Australia), SEAL-1996 (Taejon, Korea).

For further details, please visit www.iitk.ac.in/kangal/seal10. For any queries please contact us at seal10@iitk.ac.in.