



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 Chakraborty, 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
Ah King Robert, Mauritius	Deepak Sharma, France	Jesper Genri Hattel, Denmark	N. Chakraborti, India	Saxena Dhish, UK
Amiram Moshaiov, Israel	Dilip Datta, India	Julian Molina, Spain	P V M Rao, India	S Chaudhuri, India
Amos Ng, Sweden	Dilip Pratihar, India	Karthik Sindhya, Finland	Paolo Di Barba, Italy	S Wang, China
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Andy Tyrrell, United Kingdom	Eckart Zitzler, Switzerland	Laetitia Jourdan, France	Peter Fleming, United Kingdom	Sunith Bandaru, India
Arjun Chandra, United Kingdom	El-Ghazali Talbi, France	Lam Thu Bui, Australia	Pier Luca Lanzi, Italy	Swagatam Das, India
Ashutosh Tiwari, United Kingdom	Francisco Ruiz, Spain	Lothar Thiele, Switzerland	P Suganthan, Singapore	Tapabrata Ray, Australia
Bob Mckay, Korea	Gary Lamont, USA	Luis Marti, Spain	Qingfu Zhang, United Kingdom	V. Aggarwal, India
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).