

Venue: Nanyang Executive Centre (NEC), NTU, Singapore

Day 1 — Monday, 10 November 2014	08:15 – 08:30	Opening of IES
	08:30 – 09:30	IES Keynote I: Evolving, Training and Designing Neural Network Ensembles <i>by</i> Professor Xin Yao
	09:30 – 10:30	IES Keynote II: Single Frame Super Resolution: A Fuzzy Rule-Based Approach <i>by</i> Professor Nikhil R. Pal
	10:30 – 11:00	Tea/Coffee Break
	11:00 – 12:00	IES Keynote III: Real-time Computational Red Teaming of Human Cognition using Encephalographic (EEG) Data <i>by</i> Professor Hussein A. Abbass
	12:00 – 13:00	IES Plenary I: Research Topics in Evolutionary Many-Objective Optimization <i>by</i> Professor Hisao Ishibuchi
	13:00 – 14:00	Lunch Break
	14:00 – 15:00	IES Plenary II: Adaptive Control of Non-Linear Systems <i>by</i> Professor Garrison Greenwood
	15:00 – 16:00	IES Plenary III: Exploiting Machine Learning Techniques for Intelligent Location-aware System with Smartphone Sensors <i>by</i> Professor Sung-Bae Cho
	16:00 – 16:30	Tea/Coffee Break
	16:30 – 17:30	IES Plenary IV: Data Analytics for Engineering Big Data Application <i>by</i> Dr. Partha Dutta
	18:00 – 21:00	Welcome Reception

Day 2 — Tuesday, 11 November 2014	08:15 – 08:30	Opening of CSBio	
	08:30 – 09:30	CSBio Keynote: Systems Biology of Stem Cells <i>by</i> Professor Huck-Hui NG	
	09:30 – 10:30	IES Tutorial I: Collaborative Learning and Optimization <i>by</i> Dr. Ke Tang and Dr. Kai Qin	
	10:30 – 11:00	Tea/Coffee Break	
	11:00 – 12:00	IES Tutorial II: Evaluating the Evolutionary Algorithms for Numerical Optimization: Foundations, Recent Advances, and Future Challenges <i>by</i> Dr. Swagatam Das	
	12:00 – 13:00	Lunch Break	
	Parallel Sessions	13:00 – 15:00	15:20 – 17:20
	Auditorium	CSBio Session 1: Interaction, Biological Network and Pathway	CSBio Session 2: Medical Data Diagnosis, Classification and Simulation
	Small Lecture Room 5	Natural Language Processing and Image Processing Chair: Hisashi Handa	SS: Evolutionary Multi-objective Optimization: Methods and Engineering Application Chair: Yuping Wang
	Small Lecture Room 6	SS: Complex Structure and Systems 1 Chair: Akira Ishi	SS: Complex Structure and Systems 2 Chair: Saori Iwanaga
	Seminar Room 4	SS: Computational Intelligent Algorithms and Techniques and Its Application to Real World Problems 1 Chair: Irraivan Elamvazuthi Co-chair: Timothy Ganesan	SS: Computational Intelligent Algorithms and Techniques and Its Application to Real World Problems 2 Chair: Pandian Vasant Co-chair: Timothy Ganesan
	Seminar Room 5	SS: Subspace Learning and Neural Networks 1 Chair: Jian Cheng Lv	SS: Subspace Learning and Neural Networks 2 SS: Collaborative Learning and Optimization Chair: Hong Qu Co-chair: Ke Tang
17:40 – 21:00	Award Banquet		

Day 3 — Wednesday, 12 November 2014	Parallel Sessions	08:20 – 10:40	11:00 – 13:00
	Breakout Room 1	CSBio Session 3: Sequence, Structure and Parallel Computing	Intelligent Systems Chair: Kazunori Mizuno
	Small Lecture Room 5	SS: Differential Evolution and Its Application Chair: Xinchao Zhao	SS: Swarm Intelligent Applications Chair: Shigeo Doi
	Small Lecture Room 6	SS: Collaborative Supply Chain and Logistics Management by Complex Systems Approach Chair: Li ZhengPing	SS: Intelligent and Evolutionary Systems for Mobile and Entertainment Computing Chair: Kyung-Joong Kim
	Seminar Room 4	SS: Intelligent and Expert Systems with Industrial Applications SS: Multiagent System for Industrial Applications Chair: Partha Dutta Co-chair: Zhang Jie	SS: Agent-Based Computational Economics and Experimental Economics Chair: Robert Marks
	Seminar Room 5	Advanced Evolutionary Algorithms Chair: Satoshi Ono	SS: Evolutionary Computation and Data Mining Chair: Chuan-Kang Ting
	13:00 - 14:00	Lunch Break	
	14:00 - 18:00	Free Tour	