

Programme-At-A-Glance

Tuesday, 25 September 2007	TIME / VENUE	Enterprise	Mercury	Minto
	08:15 – 11:00	Tutorial 1—Evolutionary Computation: A Unified Approach, <i>Kenneth A. De Jong</i>	Tutorial 2—Evolutionary Computation in Finance and Economics, <i>Edward Tsang</i>	Tutorial 3— From Evolving Single Neural Networks to Evolving Ensembles, <i>Xin Yao</i>
	11:00 – 12:00	Lunch Break		
	12:00 – 14:45	Tutorial 4— Evolving Soccer Teams for RoboCup Simulation, <i>Tomoharu Nakashima</i>	Tutorial 5— Evolutionary Computation in Bioinformatics, <i>Gary Fogel and Kay Wiese</i>	Tutorial 6— Evolutionary Multi-Criterion Optimization (EMO): Fundamentals, State-of-the-art Methodologies and Future Challenges, <i>Kalyanmoy Deb</i>
	14:45 – 15:15	Tea Break		
15:15 – 18:00	Tutorial 7—Adaptive Business Intelligence – Evolutionary Computation for Real World Problems, <i>Zbigniew Michalewicz</i>	Tutorial 8—Genetic Programming Practice and Theory, <i>Ricardo Poli</i>	Tutorial 9—Particle Swarm Optimization and Differential Evolution, <i>Ponnuthurai Nagaratnam Suganthan</i>	
19:00	Welcome Reception @ River Room at Asian Civilisations Museum			

Wednesday, 26 September 2007	TIME / VENUE	Stamford Ballroom	Orchard	Enterprise	Moor	Mercury	Morrison	Minto	Hullet	Indiana	
	Opening Ceremony @ Stamford Ballroom										
	08:00 – 08:30	Keynote 1 – A Rigorous Theoretical Framework for Measuring Generalisation of Co-evolutionary Learning by <i>Xin Yao</i> @ Stamford Ballroom									
	08:30 – 09:30	Tea Break @ Stamford Foyer & Bencoolen Room									
	09:30 – 10:30	Plenary Poster Session I @ Stamford Foyer & Bencoolen Room									
10:30 – 11:30	Invited Talk 1 Jong-Hwan Kim	Evolutionary Data Mining—Part I Chair(s): Maoguo Gong and Kevin Seppi	Representation & Operators Chair(s): Daniel Tauritz and Shengxiang Yang	sp05: Evolutionary Algorithms Based on Probabilistic Models—Part I Chair(s): Qingfu Zhang and José Antonio Lozano	sp02: Ant Colony Optimization Chair(s): Hai-Bin Duan and Jurij Silc	sp15: Evolutionary Computation in Finance and Economics—Part I Chair(s): Pedro Isasi and Edward Tsang	sp14: Evolutionary Computation in Dynamic and Uncertain Environments—Part I Chair(s): Yaochu Jin, Shengxiang Yang and Andries P. Engelbrecht	Bioinformatics & Bioengineering—Part I Chair(s): Kalyanmoy Deb and Gautam Chakraborty	sp24: Linkage in Evolutionary Computation Chair(s): Ying-ping Chen and Meng-Hot Lim		
11:30 – 12:30	Invited Talk 2 Peng-Yeng Yin and Fred Glover										
12:30 – 13:30	Lunch Break @ Canning/Padang Room										
13:30 – 15:30		Evolutionary Data Mining—Part II Chair(s): Shingo Mabu and Bijan Misra	sp01: Analysis of Genetic Representations and Operators Chair(s): Francisco Baptista Pereira, David Joslin and Jorge Tavares	sp05: Evolutionary Algorithms Based on Probabilistic Models—Part II Chair(s): Qingfu Zhang and José Antonio Lozano	Ant Colony Optimization Chair(s): Michael Geis and Amine Boumaza	sp15: Evolutionary Computation in Finance and Economics—Part II Chair(s): Edward Tsang and Pedro Isasi	sp14: Evolutionary Computation in Dynamic and Uncertain Environments—Part II Chair(s): Andries P. Engelbrecht, Shengxiang Yang and Yaochu Jin	Bioinformatics & Bioengineering—Part II Chair(s): M. V. Judy and Andreas Herzog	sp03: Constraint-Handling Techniques Used in Evolutionary Algorithms Chair(s): Efrén Mezura-Montes and Arturo Hernandez-Aguire		
15:30 – 16:00	Tea Break										
16:00 – 18:00		sp35: Evolutionary Computation in Space Chair(s): Massimiliano Vasile and Matteo Rosa Sentinella	Evolutionary Intelligent Agents Chair(s): Ruhul Sarker and Kwang	sp05: Evolutionary Algorithms Based on Probabilistic Models—Part III Chair(s): Qingfu Zhang and José Antonio Lozano	sp34: Evolutionary Techniques for Decentralized and P2P Systems Chair(s): Giovanna Di Marzo Serugendo and Xin Yao	sp15: Evolutionary Computation in Finance and Economics—Part III Chair(s): Pedro Isasi and Edward Tsang	Coevolution & Collective Behavior Chair(s): Chun-Kit Au and Michael Emmerich	sp31: Computational Systems Biology Chair(s): Till Steiner and Yaochu Jin	Constraint & Uncertainty Handling Chair(s): Kalyanmoy Deb and Cai Zixing		

Thursday, 27 September 2007	08:30 – 09:30	Keynote 2 – Medical Applications of Evolutionary Computation by <i>Gary B. Fogel</i> @ Stamford Ballroom								
	09:30 – 10:30	Tea Break @ Stamford Foyer & Bencoolen Room								
	10:30 – 11:30	Invited Talk 3 Marc Schoenauer	Particle Swarm Intelligence Chair(s): Riccardo Poli and Robert Ian (Bob) McKay	Evolutionary Design Chair(s): Shingo Mabu and Kotaro Hirasawa	Memetic & Hybrid Algorithms Chair(s): Massimiliano Vasile and Shingo Mabu	Real-world Applications—Part I Chair(s): Wei-Chiang Samuelsen Hong and Juan M. Estevez-Tapiador	Multiobjective Optimization Chair(s): Kalyanmoy Deb and Gideon Avigad	sp26: Molecular Computing for Information Processing and Self-Assembly Chair(s): Zuwareh Ibrahim, Jerzy W. Jaramczyk, Danny van Noort and John A. Rose	Theory of Evolutionary Computation—Part I Chair(s): Benjamin Doerr and Xin Yao	sp04: Differential Evolution—Part I Chair(s): Uday K. Chakraborty and Andries Engelbrecht
	11:30 – 12:30	Invited Talk 4 Hisao Ishibuchi								
	12:30 – 13:30	Lunch & Grant Awards Presentation @ Canning/Padang Room								
13:30 – 15:30		sp27: New Particle Swarm Optimization Methods Chair(s): Andries Engelbrecht, Mario Koepfen and Frans van den Bergh	sp10: Evolutionary Computation for Power Engineering Applications—Part I Chair(s): Wong Kit Po, ZhaoYang Dong and S. Mishra	sp25: Memetic Algorithms—Part I Chair(s): Ferrante Neri, Yew-Soon Ong, Hisao Ishibuchi and Meng-Hot Lim	Real-world Applications—Part II Chair(s): David Cornforth and Mario Koepfen	Artificial Life Chair(s): Jong-Hwan Kim and Dario Floreano	sp22: Genetics-Based Machine Learning Chair(s): Hai Huong (Helen) Dam, Kamran Shafi and Hussein A. Abbass	Theory of Evolutionary Computation—Part II Chair(s): Daniel Tauritz and Markus Borschbach	sp04: Differential Evolution—Part II Chair(s): Uday K. Chakraborty and Andries Engelbrecht	
15:30 – 16:00	Tea Break									
16:00 – 18:00	Future Directions in Evolutionary Computation (FDEC) Meeting @ <i>Orl Room</i>	sp37: Evolutionary Computation for Process Optimisation Chair(s): Ashutosh Tiwari and Kostas Vergidis	sp10: Evolutionary Computation for Power Engineering Applications—Part II Chair(s): Wong Kit Po, ZhaoYang Dong and Nand Kishor	sp25: Memetic Algorithms—Part II Chair(s): Ferrante Neri, Yew-Soon Ong, Hisao Ishibuchi and Meng-Hot Lim	sp12: Evolutionary Computation in Cryptology and Computer Security Chair(s): Juan M. Estevez-Tapiador, Luiza Mouroelle, Julio Cesar Hernandez and John A Clark	Computational Finance & Economics Chair(s): Mengjie Zhang and Shigeyoshi Watanabe	Evolutionary Learning Systems Chair(s): RI (Bob) McKay and Hussein Abbass	sp33: Theoretical Foundations of Evolutionary Computation Chair(s): Benjamin Doerr and Frank Neumann	Cognitive Systems & Applications Chair(s): Geok See Ng and Chai Quek	
19:00	Conference Banquet Stamford Ballroom, Swissôtel The Stamford <i>Pre-dinner Cocktail (soft drinks and nuts) will start at 18:30 hrs</i>									

Friday, 28 September 2007	08:30 – 09:30	Keynote 3 – Games, and The Design of New Hybrid Evolutionary and Temporal Difference Learning Algorithms by <i>Simon M. Lucas</i> @ Stamford Ballroom								
	09:30 – 10:30	Tea Break @ Stamford Foyer & Bencoolen Room								
	10:30 – 11:30	Invited Talk 5 Robert G. Reynolds	Evolving Neural Networks & Fuzzy Systems Chair(s): Chai Quek and Tetsuyuki Takahama	sp08: Evolutionary Computation for Electronic Design Automation Chair: Giovanni Squillero	Combinatorial & Numerical Optimization Chair(s): Kengo Katayama and Taejin Park	sp12: Evolutionary Computation in Cryptology and Computer Security Chair(s): Juan M. Estevez-Tapiador, Luiza Mouroelle, Julio Cesar Hernandez and John A Clark	sp29: Performance Assessment of Multi-Objective Optimization Algorithms Chair(s): Ivan Tanew and Eckart Zitzler	Evolutionary Robotic & Control Systems Chair(s): Ivan Tanew and Declan Bates	Evolutionary Games Theory Chair(s): David Newth and Hussein Abbass	Artificial Immune Systems Chair(s): Maoguo Gong and France Cheong
	11:30 – 12:30	Invited Talk 6 Hugo de Garis								
	12:30 – 13:30	Lunch Break @ Canning Room								
13:30 – 15:00		sp21: Evolutionary Planning and Scheduling Chair(s): Keshav Dahal, Ruhul Sarker and Peter Cowling	sp09: Evolutionary Computation for Expensive Optimization Problems—Part I Chair(s): Chi Keong Goh, Kay Chen Tan, Yew Soon Ong and Joshua Knowles	sp11: EC in Bioinformatics and Computational Biology—Part I Chair(s): Madhu Chetty, Clare Bates Congdon and Scott F. Smith	sp17: EC in Structural and Multidisciplinary Optimization—Part I Chair(s): Kang Tai and Tapabrata Ray	sp20: Evolutionary Multiobjective Optimization—Part I Chair(s): Carlos A. Coello Coello and Evan Hughes	sp32: Evolutionary Computation in Manufacturing Systems and Robotics Chair(s): S. G. Ponnambalam, Aya Bhattacharya and S. M. N. Arosha Senanayake	sp16: Evolutionary Computation in Games Chair(s): Luigi Barone and Philip Hingston	sp30: Recent Developments in Artificial Immune Systems Chair(s): Jonathan Timmis, Marfin Drozda and Emma Hart	
15:00 – 15:30	Tea Break									
15:30 – 16:00	Women in Computational Intelligence (WCI) Reception and Meeting @ <i>Orl Room</i>	Molecular & Quantum Computing Chair(s): Gary Greenwood and Dia Abu Al-Nadi	sp09: Evolutionary Computation for Expensive Optimization Problems—Part II Chair(s): Chi Keong Goh, Kay Chen Tan, Yew Soon Ong and Joshua Knowles	sp11: EC in Bioinformatics and Computational Biology—Part II Chair(s): Madhu Chetty, Leon Poladian and Scott F. Smith	sp17: EC in Structural and Multidisciplinary Optimization—Part II Chair(s): Kang Tai and Tapabrata Ray	sp20: Evolutionary Multiobjective Optimization—Part II Chair(s): Carlos A. Coello Coello and Julio Valdes	sp28: Organic Computing—An Approach to Controlled Emergence Chair(s): Hartmut Schmeck, George Brancovici and Christian Müller-Schloer	Games Competition & Panel Chair(s): Simon Lucas	sp38: Evolved Art and Music Chair(s): Kevin Seppi, Daniel Ashlock and Clare Bates Congdon	
16:00 – 17:00										
17:00 – 17:20										

Night Safari Tour and Dinner, Buses to depart from Swissôtel to night safari at 18:00 hrs