Conference Program

The 11th International Conference on Simulated Evolution and Learning

(SEAL 2017)

Shenzhen, China

10-13 November 2017

Day 1 -- 10 November 2017

8:00 – 17:00: Registration SUSTech Library

8:30 – 11:30am: First SUSTech-VUW Joint Workshop on Evolutionary Optimisation and Learning Room 1

8:30-8:40am: Workshop Opening Address (Xin Yao)

8:40-8:55am: Overview of SUSTech Research Team and Topics on Evolutionary Optimisation and Learning (Yuhui Shi)

8:55-9:10am: Overview of VUW Research Team and Topics on Evolutionary Optimisation and Learning (Mengjie Zhang)

9:10-9:20am: Logic Mapping in Crossbar-based Nano-architectures, SUSTech, (Bo Yuan)

9:20-9:30am: LCS and Reinforcement Learning, VUW (Will Browne, Aaron Chen)

9:30-9:40am: Multi-class SVMs: From Tighter Data-Dependent Generalization Bounds to Novel Algorithms, SUSTech (Yunwen Lei)

9:40-9:50am: Evolutionary Feature Selection/Construction/Extraction, VUW (Bing Xue)

9:50-10:00am: Parallel and Distributed Implementation of Large-Scale Optimization, SUSTech (Qiqi Duan)

10:00-10:10am: Evolutionary Scheduling and Combinatorial Optimisation, VUW (Yi Mei, Aaron Chen, Hui Ma)

10:10-10:30am Photograph and Morning Tea break

10:30-10:40am: Univariate Model for Multimodal Nonseparable Problems, SUSTech (Geng Zhang)

10:40-10:50am: Evolutionary Computer Vision and Image Programming, Pattern Recognition, VUW (Harith Al-Sahaf, Bing Xue, Mengjie Zhang)

10:50-11:00am: Cooperative Coevolution based Design Optimisation: A Concurrent Engineering Perspective, SUSTech (Xiaofen Lu)

11:00-11:10am: Evolutionary Deep Learning and Transfer Learning, VUW (Mengjie Zhang, Will Browne and Bing Xue)

11:10-11:30am: Discussions on Potential Collaborations

11:30am—1:00pm: Lunch

1:00-5:45pm Tutorials

1:00-2:30pm Tutorial 1 (Room 1) --- Evolutionary Computation: A Unified Approach (by Prof. *Kenneth A. De Jong*)

Session Chair: Yuhui Shi

1:00-2:30pm Tutorial 2 (Room 2) --- Hybrid Metaheuristics for Semiconductor Scheduling (by Prof. *Mitsuo Gen*)

Session Chair: Han Huang

2:30-2:45pm: Afternoon Tea

2:45-4:15pm Tutorial 3 (Room 1) --- Genetic Programming: Recent Developments and Applications (by Prof. *Mengjie Zhang*)

Session Chair: Hisao Ishibuchi

2:45-4:15pm Tutorial 4 (Room 2) --- Evolutionary Computation and Complex Networks (by Prof. *Jing Liu*)

Session Chair: Xiaodong Li

4:15-5:45pm Tutorial 5 (Room 1) --- Evolutionary Large-Scale Global Optimization: An Introduction (by Prof. *Xiaodong Li*)

Session Chair: Mengjie Zhang

4:15-5:45pm Tutorial 6 (Room 2) --- Algorithm Selection – Online + Offline Techniques (by Prof. *Mustafa MISIR*)

Session Chair: Zexuan Zhu

6:30-9:00pm: Reception, Venue: SUSTech Chinese Restaurant (beside the SUSTech Guest House) (专家公寓 2 号楼一楼中餐厅)

Day 2 -- 11 November 2017

8:00 – 17:00: Registration SUSTech Library

8:00-8:30am Conference Opening Room 1

Chair: Kay Chen Tan

Opening Address: Xin Yao

Conference organising: Yuhui Shi

Group Photograph

8:30-9:20am: Keynote Speech 1

Session Chair: Prof Xin Yao

Title: Co-evolutionary Algorithms: Theory and Practice

Speaker: Prof. Kenneth De Jong

9:20-10:10am: Keynote Speech 2 Room 1

Session Chair: Prof Kay Chen Tan

Title: Multi-Objective Optimiztaion and Decision Making in Dynamic Environments

Speaker: Prof. Sanaz Mostaghim

10:10-10:30am: Morning Tea

Oral Session 1 (10:30—11:30am, Room 1): Evolutionary Feature Selection and Construction

Session Chairs: Bing Xue, Kourosh Neshatian

10:30-10:50am: New Representations in Genetic Programming for Feature Construction in k-means Clustering

Andrew Lensen, Bing Xue and Mengjie Zhang

10:50-11:10am: Kernel Construction and Feature Subset Selection in Support Vector Machines

Shinichi Yamada and Kourosh Neshatian

11:10-11:30am: A Multitree Genetic Programming Representation for Automatically Evolving Texture Image Descriptors

Harith Al-Sahaf, Bing Xue and Mengjie Zhang

Oral Session 2 (10:30—11:30am, Room 2) : Evolutionary Multi-Objective Optimisation

Session Chairs: Ran Cheng, Hailin Liu

10:30-10:50am: Adjusting Parallel Coordinates for Investigating Multi-Objective Search

Liangli Zhen, Miqing Li, Ran Cheng, Dezhong Peng and Xin Yao.

10:50-11:10am: A constraint partitioning method based on minimax strategy for constrained multiobjective optimization problems

Xueqiang Li, Shen Fu and Han Huang.

11:10-11:30am: A Fast Objective Reduction Algorithm based on Dominance Structure for Many Objective Optimization

Fangqing Gu, Hai-Lin Liu and Yiu-Ming Cheung.

11:30am--1:00pm: Lunch

Oral Session 3 (1:00—3:00pm, Room 1): Evolutionary Learning 1

Session Chairs: Will Browne, Zexuan Zhu

1:00-1:20pm: Transductive Transfer Learning in Genetic Programming for Document Classification

Wenlong Fu, Bing Xue, Mengjie Zhang and Xiaoying Gao.

1:20-1:40pm: Adaptive Memetic Algorithm Based Evolutionary Multi-tasking Single-objective Optimization

Qunjian Chen, Xiaoliang Ma, Yiwen Sun and Zexuan Zhu.

1:40-2:00pm: A Study on Pre-Training Deep Neural Networks Using Particle Swarm Optimisation

Angus Kenny and Xiaodong Li.

2:00-2:20pm: Dynamic and Adaptive Threshold for DNN Compression from Scratch

Chunhui Jiang, Guiying Li and Chao Qian.

2:20-2:40pm: Learning Fuzzy Cognitive Maps Using a Genetic Algorithm with Decision-making Trial and Evaluation

Xumiao Zou and Jing Liu.

2:40-3:00pm: A Bayesian Restarting Approach to Algorithm Selection

Yaodong He, Shiu Yin Yuen and Yang Lou.

Oral Session 4 (1:00—3:00pm, Room 2): Evolutionary Optimisation 1

Session Chairs: Xiaodong Li, Bin Li

1:00-1:20pm: KW-Race and Fast KW-Race: Racing-based Frameworks for Tuning Parameters of Evolutionary Algorithms on Black-box Optimization Problems

Mang Wang, Xin Tong and Bin Li.

1:20-1:40pm: Generalized Hybrid Evolutionary Algorithm Framework with a Mutation Operator Requiring no Adaptation

Yong Wee Foo, Cindy Goh, Lipton Chan, Lin Li and Yun Li.

1:40-2:00pm: Evolving Directional Changes Trading Strategies with a New Event-based Indicator

Michael Kampouridis, Adesola Adegboye and Colin Johnson.

2:00-2:20pm: An Evolutionary Vulnerability Detection Method for HFSWR Ship Tracking Algorithm

Pengju Zhang, Kun Wang, Ling Zhang, Zexiao Xie and Liqin Zhou.

2:20-2:40pm: Study of an adaptive control of aggregate functions in MOEA/D

Shinya Watanabe and Takanori Sato.

2:40-3:00pm: Evolutionary Computation Theory for Remote Sensing Image Clustering: A Survey

Yuting Wan, Yanfei Zhong and Ailong Ma.

3:00-3:30pm: Afternoon Tea

3:30-4:20pm: Keynote Speech 3 Room 1

Session Chair: Prof Yuhui Shi

Title: Why restrict to one task or problem? From Transfer to Multitask Optimization

Speaker: Prof Yew Soon Ong

4:30-6:00pm: Poster Session Corridor of SUSTech Library

1. Bin Liu and Ke-Jia Chen. Maximum Likelihood Estimation based on Random Subspace EDA: Application to Extrasolar Planet Detection
2. Kaizhou Gao, Peiyong Duan, Rong Su and Junqing Li. Bi-objective water cycle algorithm for solving remanufacturing rescheduling problem
3. Kei Ohnishi and Chang Wook Ahn. Simple Linkage Identification Using Genetic Clustering
4. Kai Wu and Jing Liu. Evolutionary Games Network Reconstruction by Memetic Algorithm with l1/2 Regularization
5. Yangyang Li, Xiaoyu Bai, Xiaoxu Liang and Licheng Jiao. Sparse Restricted Boltzmann Machine Based on Multiobjective Optimization
6. Baolei Li, Jing Liang, Caitong Yue and Boyang Qu. Multivariant optimization algorithm with bimodal-gauss
7. Xiang Yu, Yunan Liu, Xiangsheng Feng and Genhua Chen. Enhanced Comprehensive Learning Particle Swarm Optimization with Exemplar Evolution
8. Fangqing Gu and Hai-Lin Liu. A Hierarchical Decomposition-based Evolutionary Many-objective Algorithm
9. Muhammad Sulaman, Xinye Cai, Mustafa Misir and Zhun Fan. Simulated Annealing with an Improvement Heuristic for Ready-mix Concrete Delivery
10. Wenxue Sun, Xinye Cai, Chao Xia, Muhammad Sulaman, Mustafa Misir and Zhun Fan. Greedy based Pareto Local Search for Bi-objective Robust Airport Gate Assignment Problem
11. Yang Lou and Shiu Yin Yuen. A Sequential Learnable Evolutionary Algorithm with a Novel Knowledge Base Generation Method
12. Jian Lin, Dike Luo, Xiaodong Li, Kaizhou Gao and Zhou-Jing Wang. Differential evolution based hyper-heuristic for the flexible job-shop scheduling problem with fuzzy processing time
13. Leilei Cao, Lihong Xu, Erik Goodman and Hui Li. A first-order difference model-based MOEA/D algorithm for dynamic multiojective optimization problems
14. Ayad Turky, Nasser R. Sabar, Abdul Sattar and Andy Song. Multi-neighbourhood Great Deluge for Google Machine Reassignment Problem
15. Ayad Turky, Nasser R. Sabar, Abdul Sattar and Andy Song. Evolutionary Learning based Iterated Local Search for Google Machine Reassignment Problems
16. Qingling Zhu, Qiuzhen Lin and Jianyong Chen. An Elite Archive-based MOEA/D Algorithm
17. Yuanlong Qin and Bo Yuan. ACO-iRBA: A Hybrid Approach to TSPN with Overlapping Neighborhoods

18. Yi Chen and Aimin Zhou. An Evolutionary Algorithm with New Coding Scheme for Multi-objective Portfolio Optimization
19. Junhua Wu, Markus Wagner, Sergey Polyakovskiy and Frank Neumann. Exact Approaches for the Travelling Thief Problem
20. Zheng-Jie Fan and Yu-Jun Zheng. Evolutionary Optimization of Airport Security Inspection Allocation
21. Jingda Deng, Qingfu Zhang and Hui Li. On the Use of Dynamic Reference Points in HypE
22. Jiajie Mo, Zhun Fan, Wenji Li, Yi Fang, Yugen You and Xinye Cai. Multi-Factorial Evolutionary Algorithm Based on M2M Decomposition
23. Tran Binh, Stjepan Picek and Bing Xue. Automatic Feature Construction for Network Intrusion Detection
24. Xiaoyan Sun, Lixia Zhu, Lin Bao, Lian Liu and Xin Nie. Group Intelligence Articulated Possibilistic Condition Preference Model Assisted Interactive Genetic Algorithm and Its Application
25. Satoru Iwasaki, Heng Xiao, Takeshi Uchitane and Toshiharu Hatanaka. A general swarm intelligence model for continuous function optimization
26. Hemant Singh and Xin Yao. Improvement of reference points for decomposition based multi-objective evolutionary algorithms
27. Mengmeng Li, Zhigang Shang and Caitong Yue. A Feature Subset Evaluation Method based on Multi-objective Optimization
28. Wenjian Luo, Bin Yang, Chenyang Bu and Xin Lin. A Hybrid Particle Swarm Optimization for High-Dimensional Dynamic Optimization
29. Adam Ghandar. Evolutionary Computation to Determine Product Builds in Open Pit Mining
30. Kazi Shah Nawaz Ripon, Jostein Solaas and Hakon Dissen. Multi-Objective Evolutionary Optimization for Autonomous Intersection Management
31. Hongyue Wu, Han Huang, Shuling Yang and Yushan Zhang. Running-time Analysis of Particle Swarm Optimization with a Single Particle Based on Average Gain
32. Karoon Suksonghong and Kittipong Boonlong. Particle Swarm Optimization with Winning Score Assignment for Multi-objective Portfolio Optimization
33. Ken Doi, Ryo Imada, Yusuke Nojima and Hisao Ishibuchi. Use of Inverted Triangular Weight Vectors in Decomposition-Based Many-Objective Algorithms
34. Mi Song, Yanfei Zhong and Ailong Ma. Unsupervised Change Detection for Remote Sensing Images Based on Principal Component Analysis and Differential Evolution
35. Hoai Bach Nguyen, Bing Xue and Peter Andreae. A Hybrid GA-GP Method for Feature Reduction in Classification
36. Zhaolin Lai, Xiang Feng and Huiqun Yu. A competitive social spider optimization with learning strategy for PID controller optimization
37. Shanfeng Wang, Maoguo Gong and Xiaolei Qin. Parallel particle swarm optimization for community detection in large-scale networks
38. Yi Liu, Will Browne and Bing Xue. Visualisation and Optimisation of Learning Classifier Systems for Multiple Domain Learning
39. Li Kuang, Feng Wang and Yuanxiang Li. Statistical Analysis of Social Coding in GitHub Hypernetwork

40. Yanming Yang, Xiaoliang Ma, Zexuan Zhu and Yiwen Sun. Three-dimentional dynamic request prediction based multi-objective memetic algorithm for pickup-and-delivery problem with time windows accept?
41. 1Xin Du, Youcong Ni, Xiaobin Wu, Peng Ye and Yao Xin. Surrogate Model Assisted Multi-Objective Differential Evolution Algorithm for Performance Optimization at Software Architecture Level
42. Lei Liu, Chengshan Pang, Weiming Liu and Bin Li. Learning to Describe Collective Search Behavior of Evolutionary Algorithms in Solution Space
43. Shi Cheng and Yuhui Shi. Rank Based Particle Swarm Optimizer for Many Objective Optimization
44. Fangqing Gu, Ziquan Liu and Yiu-Ming Cheung. Optimization of Spectrum-Energy Efficiency in Heterogeneous Communication Network
45. Yazhen Zhang and Wei Fang. Large scale WSN deployment based on an improved cooperative coevolutionary PSO with global differential grouping

Day 3 -- 12 November 2017

8:00 – 17:00: Registration SUSTech Library

8:30-9:20am: Keynote Speech 4 Room 1

Session Chair: Prof Mengjie Zhang

Title: Evolutionary Many-Objective Optimization and Performance Evaluation.

Speaker: Prof. Hisao Ishibuchi

9:20-10:10am: Keynote Speech 5 Room 1

Session Chair: Prof Ke Tang

Title: Broad Learning System: An effective and efficient incremental learning system without the need for deep architecture

Speaker: Prof. Philip C. L. Chen

10:10-10:30am: Morning Tea

Oral Session 5 (10:30—11:30am, Room 1): Evolutionary Combinatorial Optimisation

Session Chairs: Yi Mei, Li Gang

10:30-10:50am: Constrained Dimensionally Aware Genetic Programming for Evolving Interpretable Dispatching Rules in Dynamic Job Shop Scheduling

Yi Mei, Su Nguyen and Mengjie Zhang

10:50-11:10am: A Construction Graph-based Evolutionary Algorithm For Traveling Salesman Problem

Li Gang, Hao Zhi-Feng, Wei Hang and Huang Han

11:10-11:30am: A memetic algorithm based on decomposition and extended search for Multi-Objective Capacitated Arc Routing Problem

Ronghua Shang, Bingqi Du and Licheng Jiao

Oral Session 6 (10:30—11:30am, Room 2): Real-World Applications to Wireless Networks

Session Chairs: Gang Chen, Liang Feng

10:30-10:50am: Cooperative Design of Two Level Fuzzy Logic Controllers for Medium Access Control in Wireless Body Area Networks

Seyed Mohammad Nekooei, Gang Chen and Ramesh Rayudu

10:50-11:10am: Constrained Differential Evolution for Cost and Energy Efficiency Optimization in 5G Wireless Networks

Rawaa Al-Dabbagh and Ahmed Jabur

11:10-11:30am: Genetic Programming for Lifetime Maximization in Wireless Sensor Networks with Mobile Sink

Ying Li, Zhixing Huang, Jinghui Zhong and Liang Feng

11:30am--1:00pm: Lunch

Oral Session 7 (1:00—3:00pm, Room 1): Evolutionary Learning 2

Session Chairs: Bo Yuan, Bing Xue

1:00-1:20pm: Effective Policy Gradient Search for Reinforcement Learning through NEAT based Feature Extraction

Yiming Peng, Gang Chen, Mengjie Zhang and Yi Mei

1:20-1:40pm: A New Method for Constructing Ensemble Classifier in Privacy-Preserving Distributed Environment

Yan Shao, Zhanjun Li and Ming Li

1:40-2:00pm: Learning of Sparse Fuzzy Cognitive Maps Using Evolutionary Algorithm with Lasso Initialization

Kai Wu and Jing Liu

2:00-2:20pm: A Probabilistic Learning Algorithm for the Shortest Path Problem

Yiya Diao, Changhe Li, Yebin Ma, Junchen Wang and Xingang Zhou

2:20-2:40pm: Geometric Semantic Genetic Programming with Perpendicular Crossover and Random Segment Mutation for Symbolic Regression

Qi Chen, Mengjie Zhang and Bing Xue

Oral Session 8 (1:00—3:00pm, Room 2): Evolutionary Optimisation 2

Session Chairs: Jing Liang, Ben Niu

1:00-1:20pm: A Knee Point Driven Particle Swarm Optimization Algorithm for Sparse Reconstruction

Caitong Yue, Jing Liang, Boyang Qu, Hui Song, Guang Li and Yuhong Han

1:20-1:40pm: A new precedence-based Ant Colony Optimization for permutation problems

Marco Baioletti, Alfredo Milani and Valentino Santucci

1:40-2:00pm: Conservatism and Adventurism in Particle Swarm Optimization Algorithm

Guangzhi Xu, Rui Li, Xinchao Zhao and Xingquan Zuo

2:00-2:20pm: Recommending PSO variants using meta-learning framework for global optimization

Xianghua Chu, Fulin Cai, Jiansheng Chen and Li Li

2:20-2:40pm: Augmented Brain Storm Optimization with Mutation Strategies

Xianghua Chu, Jiansheng Chen, Fulin Cai, Chen Chen and Ben Niu

2:40-3:00pm: Visualizing the Search Dynamics in a High-dimensional Space for a Particle Swarm Optimizer

Qiqi Duan, Chang Shao, Yuhui Shi and Xiaodong Li

3:00-3:30pm: Afternoon Tea

3:30-4:20pm: Keynote 6 (Room 1)

Session Chair: Prof Xiaodong Li

Title: Neurodynamic approaches to distributed, global, and multi-objective optimization

Speaker: Prof Jun Wang **Room 1**

Oral Session 9 (4:30—5:30pm, Room 1): Evolutionary Optimisation 3

Session Chairs: Hui Ma, Shi Cheng

4:30-4:50pm: Matrix Factorization based Benchmark Set Analysis: A Case Study on HyFlex

Mustafa Misir

4:50-5:10pm: GP-Based Approach to Comprehensive Quality-Aware Automated Semantic Web Service Composition

Chen Wang, Hui Ma, Aaron Chen and Sven Hartmann

5:10-5:30pm: A Simple Brain Storm Optimization Algorithm via Visualizing Confidence Intervals

Yingying Cao, Wei Chen, Shi Cheng, Yifei Sun, Qunfeng Liu, Yun Li and Yuhui Shi

Oral Session 10 (4:30—5:30pm, Room 2): Local Search in EC

Session Chairs: Qingfu Zhang, Bo Yuan

4:30-4:50pm: Using Parallel Strategies to Speed Up Pareto Local Search

Jialong Shi, Qingfu Zhang, Bilel Derbel, Arnaud Liefooghe and Sébastien Verel

4:50-5:10pm: An Efficient Local Search Algorithm for Minimum Weighted Vertex Cover on Massive Graphs

Yuanjie Li, Shaowei Cai and Wenying Hou

Conference Dinner and Best Paper Awards (6:30—10:00pm)

Chairs: Yuhui Shi, Kay Chen Tan

Day 4 -- 13 November 2017

9:20-10:10am: Keynote Speech 7 **Room 1**

Session Chair: Prof Mengjie Zhang

Title: On Learning from Imbalanced Data for Classification

Speaker: Prof Yiu-ming Cheung

10:10-10:30am: Morning Tea

Panel Session and EiC Forum (10:30-12:00) **Room 1**

Session Chair: Xin Yao

Panelists:

Prof Philip Chen, EiC, IEEE Transactions on SMC: Systems

Prof Hisao Ischibuchi, EiC, IEEE Computational Intelligence Magazine

Prof Yew Soon Ong, EiC, IEEE Transactions on Emergent Topics in Computational Intelligence

Prof Kay Chen Tan, EiC, IEEE Transactions on Evolutionary Computation

Prof Jun Wang, EiC, IEEE Transactions on Cybernetics

12:00-1:00pm: Lunch

1:00pm Conference Close

Conference Committees

Honorary Chairs

Russell C. Eberhart, USA

Xin Yao, China

General Chair

Yuhui Shi, China

Kay Chen Tan, Hong Kong

Program Committee Chair

Mengjie Zhang, New Zealand

Ke Tang, China

Technical Committee Chairs

Xiaodong Li, Australia

Qingfu Zhang, Hong Kong

Ying Tan, China

Martin Middendorf Germany

Yaochu Jin, UK

Advisory Committee Chairs

Hussein Abbass, Australia

Kalyanmoy Deb, USA

Zbigniew Michalewicz, Australia

Lipo Wang, Singapore

Carlos A. Coello Coello, Mexico

Hisao Ishibuchi, Japan

Jong-Hwan Kim, South Korea

Local Organizing Chairs

Zexuan Zhu, China

Guangming Lin, China

Xuefeng Zhang, China

Special Sessions Chairs

Ben Niu, China

Cara Macnish, Australia

Tutorial Chairs

Han Huang, China

Frank Neumann, Australia

Publicity Chairs

Yew-Soon Ong, Singapore

Lam Thu BUi, Vietnam

Carmelo Bastos Filho, Brazil

Shi Cheng, China

Vasile Palade, UK

Bing Xue, New Zealand

Hemant Singh, Australia

Hisashi Handa, Japan

Sung-Bae Cho, South Korea

Bob Reynolds, USA

Program Committee

Hussein Abbass, UNSW-Canberra, Australia

Nadia Abd-Alsabour, Cairo University, Egypt

Hernan Aguirre, Shinshu University, Japan

Youhei Akimoto, Shinshu University, Japan

Harith Al-Sahaf, Victoria University of Wellington, New Zealand

Luigi Barone, University of Western Australia, Australia

Urvesh Bhowan, IBM Ireland, Ireland

Will Browne, Victoria University of Wellington, New Zealand

Lam Thu Bui, Le Quy Don Technical University, Vietnam

Stefano Cagnoni, University of Parma, Italy

Jinhai Cai, University of South Australia, Australia

Xinye Cai, Nanjing University of Aeronautics and Astronautics, China

Zhenjiang Cai, Agricultural University of Hebei, China

Gang Chen, Victoria University of Wellington, New Zealand

Junfeng Chen, Hohai University, China

Qi Chen, Victoria University of Wellington, New Zealand

Wei-Neng Chen, South China University of Technology, China

Ying-Ping Chen, National Chiao Tung University

Yu Chen, Wuhan University of Technology, China

Long Cheng, Institute of Automation, Chinese Academy of Sciences, China

Ran Cheng, University of Birmingham, UK

Shi Cheng, Shaanxi Normal University, China

Kazuhisa Chiba, The University of Electro-Communications, Japan

Raymond Chiong, The University of Newcastle, Australia

Sung-Bae Cho, Yonsei University, South Korea

Siang Yew Chong, University of Nottingham, Malaysia

Vic Ciesielski, RMIT University, Australia

Carlos A. Coello Coello, CINVESTAV-IPN, Mexico

Zhihua Cui, Taiyuan University of Science and Technology, China

Kalyanmoy Deb, Michigan State University, USA

Hepu Deng, RMIT University, Australia

Grant Dick, University of Otago, New Zealand

Haibin Duan, Beihang University, China

Daryl Essam, University of New South Wales, Australia

Zhun Fan, Shantou University, China

Wei Fang, Jiangnan University, China

Liang Feng, Chongqing University, China

Xiang Feng, East China University of Science and Technology, China

Carmelo Bastos Filho, University of Pernambuco, Brazil

Wenlong Fu, Victoria University of Wellington, New Zealand

Marcus Gallagher, University of Queensland, Australia

Shangce Gao, University of Toyama, Japan

Yang Gao, Nanjing University, China

Wenyin Gong, China University of Geosciences, China

Richard Green, The University of Canterbury, New Zealand

Steven Gustafson, MAANA Inc., USA

Toshiharu Hatanaka, Osaka University, Japan

Jinsong He, University of Science and Technology of China, China

Jun He, Aberystwyth University, UK

Tim Hendtlass, Swinburne University of Technology, China

Wei-Chiang Hong, Oriental Institute of Technology

Zeng-Guang Hou, Institute of Automation, Chinese Academy of Sciences, China

Han Huang, South China University of Technology, China

Muhammad Iqbal, Victoria University of Wellington, New Zealand

Hisao Ishibuchi, Osaka Prefecture University, China

David Jackson, University of Liverpool, UK

Xiuyi Jia, Nanjing University of Science and Technology, China

Zhaohong Jia, Anhui University, China

He Jiang, Dalian University of Technology, China

Min Jiang, Xiamen University, China

Licheng Jiao, Xidian University, China

Yaochu Jin, University of Surrey, UK

Mark Johnston, University of Worcester, UK

Liangjun Ke, Xi'an Jiaotong University, China

Michael Kirley, The University of Melbourne, Australia

Mario Koeppen, Kyushu Institute of Technology, Japan

Yun Sing Koh, University of Auckland, New Zealand

Krzysztof Krawiec, Poznan University of Technology, Poland

Albert Y.S. Lam, The University of Hong Kong, China

Ivan Lee, University of South Australia, Australia

Per Kristian Lehre, University of Birmingham, UK

Andrew Lensen, Victoria University of Wellington, New Zealand

Bin Li, University of Science and Technology of China, China

Bingdong Li, University of Science and Technology of China, China

Jinlong Li, University of Science and Technology of China, China

Miqing Li, University of Birmingham, UK

Tianrui Li, Southwest Jiaotong University, China

Xiaodong Li, RMIT University, Australia

Jing Liang, Zhengzhou University, China

Qiuzhen Lin, Shenzhen University, China

Ying Lin, Sun Yat-sen University, China

Cong Liu, University of Shanghai for Science and Technology, China

Jialin Liu, Queen Mary University of London, UK

Jing Liu, Xidian University, China

Qunfeng Liu, Dongguan University of Technology, China

Wenjian Luo, University of Science and Technology of China, China

Hui Ma, Victoria University of Wellington, New Zealand

Lianbo Ma, Northeastern University, China

Syahaheim Marzukhi, National Defence University Malaysia, Malaysia

Michael Mayo, University of Waikato, New Zealand

Yi Mei, Victoria University of Wellington, New Zealand

Kathryn Merrick, University of New South Wales, Australia

Seyedali Mirjalili, Griffith University, Australia

Irene Moser, Swinburne University of Technology, Australia

Gul Muhammad Khan, University of York, UK

Syed Saud Naqvi, Victoria University of Wellington, New Zealand

Kourosh Neshatian, University of Canterbury, New Zealand

Frank Neumann, The University of Adelaide, Australia

Hoai Bach Nguyen, Victoria University of Wellington, New Zealand

Su Nguyen, Victoria University of Wellington, New Zealand

Yew-Soon Ong, Nanyang Technological University, Singapore

Vasile Palade, Coventry University, UK

Xingguang Peng, Northwestern Polytechnical University, China

Yiming Peng, Victoria University of Wellington, New Zealand

Chao Qian, University of Science and Technology of China, China

Kai Qin, Swinburne University of Technology, Australia

Rong Qu, University of Nottingham, UK

Juan Rada-Vilela, FuzzyLite Limited, New Zealand

Marcus Randall, Bond University, Australia

Tapabrata Ray, University of New South Wales, Australia

Ramesh Rayudu, Victoria University of Wellington, New Zealand

Zhilei Ren, Dalian University of Technology, China

Patricia Riddle, University of Auckland, New Zealand

Ramon Sagarna, Nanyang Technological University, Singapore

Hiroyuki Sato, The University of Electro-Communications, Japan

Mahdi Setayesh, Victoria University of Wellington, New Zealand

Lin Shang, Nanjing University, China

Ronghua Shang, Xidian University, China

Yuhui Shi, Southern University of Science and Technology, China

Shinichi Shirakawa, Yokohama National University, Japan

Hemant Singh, University of New South Wales, Australia

Andy Song, RMIT University, Australia

Chaoli Sun, University of Surrey, UK

Yifei Sun, Shaanxi Normal University, China

Yu Sun, University of Science and Technology of China, China

Kay Chen Tan, City University of Hong Kong, China

Ke Tang, Southern University of Science and Technology, China

Yiming Tang, Hefei University of Technology, China

Chuan-Kang Ting, National Chung Cheng University

Binh Tran, Victoria University of Wellington, New Zealand

Krzysztof Trojanowski, Cardinal Stefan Wyszynski University in Warsaw, Poland

Markus Wagner, The University of Adelaide, Australia

Feng Wang, Wuhan University, China

Handing Wang, University of Surrey, China

Lipo Wang, Nanyang Technological University, Singapore

Rui Wang, National University of Defense Technology, China

Xianpeng Wang, Northeastern University, China

Yong Wang, Central South University, China

Yuping Wang, Xidian University, China

Shinya Watanabe, Muroran Institute of Technology, Japan

Peter Whigham, University of Otago, New Zealand

John Woodward, University of Stirling, UK

Jason Xie, Oracle NZ, New Zealand

Jian Xiong, National University of Defense Technology, China

Xin Xu, Wuhan University of Science and Technology, China,

Bing Xue, Victoria University of Wellington, New Zealand

Sun Yanan, Sichuan University, China

Ming Yang, Nanjing Normal University, China

Peng Yang, University of Science and Technology of China, China

Shengxiang Yang, De Montfort University, UK

Yubin Yang, Nanjing University, China

Lean Yu, Academy of Mathematics and Systems Sciences, Chinese Academy of Sciences, China

Tina Yu, Memorial University of Newfoundland, Canada

Yang Yu, Nanjing University, China

Bo Yuan, Southern University of Science and Technology, China

Defu Zhang, Xiamen University, China

Mengjie Zhang, Victoria University of Wellington, New Zealand

Qingfu Zhang, City University of Hong Kong, China

Shichao Zhang, Guangxi Normal University, China

Sihai Zhang, University of Science and Technology of China, China

Xingyi Zhang, Anhui University, China

Zizhen Zhang, Sun Yat-sen University, China

Dongbin Zhao, Institute of Automation, Chinese Academy of Sciences, China

Zhaopin Su, Hefei University of Technology, China

Aimin Zhou, East China Normal University, China

Kang Zhou, Wuhan Polytechnic University, China

Xiaofeng Zhu, Guangxi Normal University, China

Zexuan Zhu, Shenzhen University, China

Xingquan Zuo, Beijing University of Posts and Telecommunications, China