Sunday, 19th March 2017

12:30	Registration				
13:30	Opening Session		Session Chairs: Heike Trautmann and Günter Rudolph		
14:00	Invited Talk Thomas Stützle Automated Design of Algorithms from Flexible Algorithm		Session Chair: H. Hoos m Frameworks		
15:00	Break				
15:20	Session S-1		Session Chair: A. Gaspar-Cunha		
	15:20	Marlon Alexander Braun, Pradyumn Kumar Sa Angle-based Preference Models in Multi-object			
	15:45	Jussi Hakanen and Joshua Knowles On using decision maker preferences with ParEGO			
	16:10	Longmei Li, Iryna Yevseyeva, Vitor Basto-Fernandes, Heike Trautmann, Ning Jing and Michael Emmerich Building and Using an Ontology of Preference-based Multiobjective Evolutionary Algorithms			
	16:35	Florian Siegmund, Amos Ng and Kalyanmoy Deb A Comparative Study of Fast Adaptive Preference-Guided Evolutionary Multi-objective Optimization			
17:00	Break				
17:25	Session S-2		Session Chair: D. Brockhoff		
	17:25	Miriam Pescador-Rojas, Raquel Hernández Gómez, Elizabeth Montero, Nicolás Rojas-Morales, María-Cristina Riff and Carlos A. Coello Coello An Overview of Weighted and Unconstrained Scalarizing Functions			
	17:50	Naveed Reza Aghamohammadi, Shaul Salomon, Yiming Yan and Robin Purshouse On the effect of scalarising norm choice in a ParEGO implementation			
	18:15	Roman Denysiuk and Antonio Gaspar-Cunha Weighted Stress Function Method for Multiobj	ective Evolutionary Algorithm Based on Decomposition		
18:40	Break – Gathering & Walk to Restaurant "Schlossgarten"				
19:00	Start of Welcome Reception				
21:00	End of Welcome Reception				

Monday, 20th March 2017

09:00 Session M-1

Session Chair: S. Wessing

- 09:00 Arnaud Liefooghe, Bilel Derbel, Sébastien Verel, Hernán Aguirre and Kiyoshi Tanaka A Fitness Landscape Analysis of Pareto Local Search on Bi-objective Permutation Flowshop Scheduling Problems
- 09:25 Marie-Eleonore Kessaci-Marmion, Clarisse Dhaenens and Jérémie Humeau Neutral Neighbors in Bi-objective Optimization: Distribution of the most promising for permutation problems.
- 09:50 Kevin Tierney, Joshua Handali, Christian Grimme and Heike Trautmann Multi-Objective Optimization for Liner Shipping Fleet Repositioning

10:15 Break

10:40 Session M-2

Session Chair: T. Stützle

- 10:40 Ryoji Tanabe and Akira Oyama The Impact of Population Size, Number of Children, and Number of Reference Points on The Performance of NSGA-III
- 11:05 Simon Wessing, Rosa Pink, Kai Brandenbusch and Günter Rudolph
 Toward Step-size Adaptation in Evolutionary Multiobjective Optimization
- 11:30 Aymeric Blot, Alexis Pernet, Laetitia Jourdan, Marie-Eleonore Kessaci-Marmion and Holger Hoos Automatically Configuring Multi-objective Local Search using Multi-objective Optimisation

12:00 Lunch

13:15 Session M-3

Session Chair: R. Purshouse

- 13:15 Haitham Seada, Mohamed Abouhawwash and Kalyanmoy Deb Towards a Better Balance of Diversity and Convergence in NSGA-III: First Results
- 13:40 Flávio Vinícius Cruzeiro Martins, João Sarubbi and Elizabeth Wanner
 A Multiobjective Strategy to Allocate Roadside Units in a Vehicular Network with Guaranteed Levels of Service
- 14:05 Ahmed Khalifa, Mike Preuss and Julian Togelius
 Multi-objective Adaptation of a Parameterized GVGAI Agent Towards Several Games

14:30 Poster Session (including Coffee & Cookies)

Session Chair: S. Meisel

Pramudita Palar and Koji Shimoyama

Multiple Metamodels for Robustness Estimation in Multi-Objective Robust Optimization

Yves De Smet, Jean-Philippe Hubinont and Jean Rosenfeld

A note on the detection of outliers in a binary outranking relation

Richard Gonçalves, Lucas Pavelski, Carolina Almeida, Josiel Kuk, Sandra Venske and Myriam Delgado Adaptive Operator Selection for Many-Objective Optimization with NSGA-III

Xavier Gandibleux

Peek -- Shape -- Grab: a methodology in three stages for approximating the non-dominated points of multiobjective discrete combinatorial optimization problems with a multiobjective metaheuristic

Ruby Moritz and Sanaz Mostaghim

Heterogeneous Evolutionary Swarms with Partial Redundancy Solving Multi-Objective Tasks

Renan Mendes, Elizabeth Wanner, Flávio Martins and João Sarubbi

Dimensionality Reduction Approach for Many-Objective Vehicle Routing Problem with Demand Responsive Transport

Oliver Cuate, Oliver Schütze, Bilel Derbel, Arnaud Liefooghe and El-Ghazali Talbi An Approach for the Local Exploration of Discrete Many Objective Optimization Problems

Kalyanmoy Deb, Rayan Hussein, Proteek Roy and Gregorio Toscano

Classifying Metamodeling Methodologies for Evolutionary Multi-Objective Optimization: First Results

Andreas Richter, Jascha Achenbach, Stefan Menzel and Mario Botsch

Multi-objective Representation Setups for Deformation-based Design Optimization

Susanne Rosenthal and Markus Borschbach

Design Perspectives of an Evolutionary Process for Multi-Objective Molecular Optimization

Amin Ibrahim, Shahryar Rahnamayan, Miguel Vargas Martin and Kalyanmoy Deb Fusion of Many-Objective Non-dominated Solutions Using Reference Points

Hao Wang, Andre Deutz, Thomas Bäck and Michael Emmerich Hypervolume Indicator Gradient Ascent Multi-objective Optimization

Ana Amélia Pereira, Helio Barbosa and Heder Bernardino

Predator-Prey Techniques for Solving Multiobjective Scheduling Problems for Unrelated Parallel Machines

16:10 Competition Session

Session Chairs: Tobias Glasmachers & Michael Emmerich

17:00 Break

17:25 Session M-4

Session Chair: M. Emmerich

17:25 Ke Li, Kalyanmoy Deb, Tolga Altinoz and Xin Yao

Empirical Investigations of Reference Point Based Methods When Facing a Massively Large Number of Objectives: First Results

17:50 Leonardo Bezerra, Manuel López-Ibáñez and Thomas Stützle

An empirical assessment of the properties of inverted generational distance indicators on multi- and many-objective optimization

18:15 Joao Duro and Dhish Saxena

Timing the Decision Support for Real-World Many-Objective Problems

18:40 End of Technical Program

Tuesday, 21st March 2017

09:00	Invited Talk Julian Togelius Challenges for Multi-Criterion Optimization in Games		Session Chair: M. Preuss	
10:00	Break			
10:20	Session	n T-1	Session Chair: K. Deb	
	10:20	Fritz Bökler The Multiobjective Shortest Path Problem is NP-hard, or is	it?	
	10:45	Dimo Brockhoff, Anne Auger, Nikolaus Hansen and Tea To Quantitative Performance Assessment of Multiobjective Op Function		
	11:10	Tobias Glasmachers A Fast Incremental BSP Tree Archive for Non-dominated F	Points	
	11:35 Kaifeng Yang, Michael Emmerich, André Deutz and Carlos Fonseca Computing 3-D Expected Hypervolume Improvement and Related Integrals in Asymptotically Optimal Time			
12:00	Lunch			
13:15	Session	n T-2	Session Chair: Y. de Smet	
	13:15	Cristóbal Barba-González, José García-Nieto, Antonio J. Multi-Objective Big Data Optimization with jMetal and Spar		
	13:40	Daniel Horn, Melanie Dagge, Xudong Sun and Bernd Bisch First Investigations on Noisy Model-Based Multi-Objective		
	14:05	Vanessa Volz, Günter Rudolph and Boris Naujoks Surrogate-Assisted Partial Order-Based Evolutionary Optin	misation	
14:30	Break	Break		
14:55	Session T-3 Session Chair: B. Naujoks			
	14:55	Mario Garza-Fabre, Julia Handl and Joshua Knowles A New Reduced-Length Genetic Representation for Evolut	ionary Multiobjective Clustering	
	15:20	Olivier Sobrie, Vincent Mousseau and Marc Pirlot A population-based algorithm for learning a Majority Rule s	sorting model with coalitional veto	
	15:45	Pascal Kerschke and Christian Grimme An Expedition to Multi-Modal Multi-Objective Optimization	Landscapes	
16:10	End of Technical Program			
17:30	Guided City Tour Münster			
	Starts at castle and will end at location of conference dinner.			
19:00	Conference Dinner at Restaurant "A2"			
23:00	End of Conference Dinner			

Wednesday, 22nd March 2017

09:00 Invited Talk Session Chair: O. Schütze

Michael Emmerich Indicator-Based Multiobjective and Set-Oriented Optimization

10:00 Break

10:20 Session W-1 Session Chair: C. Coello Coello

10:20 Stefan Eppe and Yves De Smet
On the influence of altering the action set on PROMETHEE II's relative ranks

10:45 Magdalena Lang and Christian Grimme Towards Standardized and Seamless Integration of Expert Knowledge into Multi-objective Evolutionary Optimization Algorithms

- 11:10 Akm Khaled Talukder, Kalyanmoy Deb and Shahryar Rahnamayan
 Injection of Extreme Points in Evolutionary Multiobjective Optimization Algorithms
- 11:35 Julian Blank, Kalyanmoy Deb and Sanaz Mostaghim
 Solving the Bi-Objective Traveling Thief Problem with Multi-Objective Evolutionary Algorithms

12:00 Closing Session

Session Chairs: Heike Trautmann & Günter Rudolph

- Conference Wrap-up
- Farewell

12:30 Lunch