

EvoStar 2015 Outline Programme : provisional at 20 feb 2015 (subject to change)

Wednesday 8 April			
0930-0945	Conference opening		
0945-1045	Plenary invited talk: Pierre-Yves Oudeyer : <i>Open-Source Baby Robots for Science, Education & Art</i>		
1045-1120	Coffee break		
	room 1	room 2	room 3
1120-1300	<p>EuroGP 1 : Scaling GP session chairs : Penousal Machado & Malcolm Heywood</p> <p>Indirectly Encoded Fitness Predictors Coevolved with Cartesian Programs Michaela Sikulova, Jiri Hulva, Lukas Sekanina</p> <p>Automatic Derivation of Search Objectives for Test-Based Genetic Programming Krzysztof Krawiec, Pawel Liskowski</p> <p>Evolutionary Design of Transistor Level Digital Circuits using Discrete Simulation Vojtech Mrazek, Zdenek Vasicek</p> <p>Improving Geometric Semantic Genetic Programming with Safe Tree Initialisation Grant Dick</p>	<p>EvoMusArt 1 : Evolution Everywhere: Drawing, Design, Games and Voice session chair: Adrian Carballal</p> <p>Avoidance Drawings Evolved Using Virtual Drawing Robots Gary Greenfield</p> <p>Evolving Diverse Design Populations using Fitness Sharing and Random Forest based Fitness Approximation Kate Reed, Duncan Gillies</p> <p>AudiolnSpace: A Proof-of-Concept Exploring the Creative Fusion of Generative Audio, Visuals and Gameplay Amy K. Hoover, William Cachia, Antonios Liapis, Georgios N. Yannakakis</p> <p>Towards an Evolutionary Computational Approach to Articulatory Vocal Synthesis with PRAAT Jared Drayton, Eduardo Miranda</p>	<p>EvoApps 1 : Industrial Applications (APPs topics: INDUSTRY+ENERGY+STOC)</p> <p>Many-Objective Optimization of a Hybrid Car Controller Tobias Rodemann, Kaname Narukawa, Michael Fischer, Mohammed Awada</p> <p>Multi-Noisy-Hard-Objective Robust Design of Balanced Surface Acoustic Wave Filters Based on Prediction of Worst-Case Performance Kiyoharu Tagawa, Shoichi Harada</p> <p>Evolutionary Optimization of Smart Buildings with Interdependent Devices Ingo Mauser, Julian Feder, Jan Mueller, Hartmut Schmeck</p> <p>Optimising the scheduling and planning of urban milk deliveries Neil Urquhart</p> <p>Clustering local tourism systems by Threshold Acceptance Joseph Andria, Giacomo Di Tollo</p>
1300-1415	Lunch		
1415-1555	<p>EuroGP 2 : Applications session chair : Sara Silva</p> <p>Learning Text Patterns using Separate-and-Conquer Genetic Programming Alberto Bartoli, Andrea De Lorenzo, Eric Medvet, Fabiano Tarlao</p> <p>Evolving Ensembles of Dispatching Rules using Genetic Programming for Job Shop Scheduling John Park, Su Nguyen, Mengjie Zhang, Mark Johnston</p> <p>M3GP - Multiclass Classification with GP Luis Muñoz, Sara Silva, Leonardo Trujillo</p> <p>Tapped Delay Lines for GP Streaming Data Classification with Label Budgets Ali Vahdat, Jillian Morgan, Andrew R. McIntyre, Malcolm I. Heywood, A. Nur Zincir-Heywood</p>	<p>EvoMusArt 2 : Bio-inspired Algorithms as Composers session chair: João Nuno</p> <p>The Sound Digestive System: a Strategy for Music and Sound Composition Juan Manuel Escalante</p> <p>Toward Certain Sonic Properties of an Audio Feedback System by Evolutionary Control of Second-Order Structures Seunghun Kim, Juhan Nam, Graham Wakefield</p> <p>Generative Music with Stochastic Diffusion Search Asmaa Majid al-Rifaie, Mohammad Majid al-Rifaie</p> <p>Music with Unconventional Computing: Towards a Step Sequencer From Plasmodium of Physarum Polycephalum Edward Braund, Eduardo Miranda</p>	<p>EvoApps 2 : Stochastic & Dynamic Environments (APPs topics: STOC+COMPLEX)</p> <p>Applying Ant Colony Optimization to Dynamic Binary-Encoded Problems Michalis Mavrouniotis, Shengxiang Yang</p> <p>An experimental study of combining Evolutionary Algorithms with KD-Tree to solving dynamic optimisation problems Trung Thanh Nguyen, Ian Jenkinson, Zaili Yang</p> <p>Coevolutionary intransitivity in games: A landscape analysis Hendrik Richter</p> <p>Making IDEA-ARIMA efficient in Dynamic Constrained Optimization Problems Patryk Filiipiak, Piotr Lipinski</p>
1555-1620	Coffee break		
1620-1800	<p>EuroGP 3 : Best Paper Candidates session chair : Krzysztof Krawiec</p> <p>Cartesian GP in Optimization of Combinational Circuits with Hundreds of Inputs and Thousands of Gates Zdenek Vasicek</p> <p>On the Generalization Ability of Geometric Semantic Genetic Programming Ivo Gonçalves, Sara Silva, Carlos M. Fonseca</p> <p>Attributed Grammatical Evolution using Shared Memory Spaces and Dynamically Typed Semantic Function Specification James Vincent Patten, Conor Ryan</p> <p>The Effect of Distinct Geometric Semantic Crossover Operators in Regression Problems Julio Albinati, Gisele L. Pappa, Fernando E. B. Otero, Luiz Otávio V. B. Oliveira</p>	<p>EvoMusArt 3 : Best Paper Candidates session chair: Colin Johnson</p> <p>Interior Illumination Design Using Genetic Programming Kelly Moylan, Brian Ross</p> <p>Moody Music Generator: Characterising Control Parameters Using Crowdsourcing Marco Scirea, Julian Togelius, Mark Nelson</p> <p>Evotype: Evolutionary Type Design Tiago Martins, João Correia, Ernesto Costa, Penousal Machado</p> <p>Lichtsuchende: Exploring the Emergence of a Cybernetic Society Dave Murray-Rust, Rocio von Jungenfeld</p>	<p>EvoApps 3 : Complex Systems (APPs topics: COMPLEX+FIN)</p> <p>Hierarchic Genetic Search with βStable Mutation Adam Obuchowicz, Maciej Smolka, Robert Schaefer</p> <p>Emergence of Cooperation in the Prisoner's Dilemma Driven by Conformity Marco Alberto Javarone, Antonio Emanuele Atzeni, Serge Galam</p> <p>An Experimental Evaluation of Multi-Objective Evolutionary Algorithms for Detecting Critical Nodes in Complex Networks Mario Ventresca, Kyle Harrison, Beatrice Ombuki-Berman</p> <p>Self-Balancing Multimetric Algorithms in Dynamic Scale-Free Networks Rafael Nogueiras, Carlos Cotta</p>
1800-1930	EvoStar poster session in conjunction with conference reception		

	<p>EuroGP posters</p> <p>Genetic Programming for Feature Selection and Question-Answer Ranking in IBM Watson Urvesh Bhowan, D. J. McCloskey</p> <p>Automatic Evolution of Parallel Recursive Programs Gopinath Chennupati, Muhammad R. Atif Azad, Conor Ryan</p> <p>Proposal and Preliminary Investigation of a Fitness Function for Partial Differential Models Igor S. Peretta, Keiji Yamanaka, Paul Bourjine, Pierre Collet</p> <p>Evolutionary Methods for the Construction of Cryptographic Boolean Functions Stjepan Picsek, Domagoj Jakobovic, Julian F. Miller, Elena Marchiori, Lejla Batina</p> <p>Templar - a Framework for Template-Method Hyper-Heuristics Jerry Swan, Nathan Burles</p> <p>Circuit Approximation Using Single- and Multi-Objective Cartesian GP Zdenek Vasicek, Lukas Sekanina</p>	<p>EvoMusArt posters</p> <p>Biological Content Generation: Evolving Game Terrains through Living Organisms Wim van Eck, Maarten Lamers</p> <p>DrawCompileEvo: Sparking Interactive Evolutionary Art with Human Creations Jinhong Zhang, Rasmus Taarnby, Antonios Liapis, Sebastian Risi</p> <p>On the Stylistic Evolution of a Society of Virtual Melody Composers Valerio Velardo, Mauro Vallati</p> <p>Feature Discovery by Deep Learning for Aesthetic Analysis of Evolved Abstract Images Allan Campbell, Vic Ciesielski, A. K. Qin</p> <p>Automatic Generation of Chord Progressions with an Artificial Immune System Maria Navarro, Leandro Nunes de Castro, Marcelo Caetano, Gilberto Bernandes, Juan Manuel Corchado</p> <p>Schemographe: Application for a New Representation Technique and Methodology of Analysis in Tonal Harmony Anna Shvets, Myriam Desainte-Cathérine</p> <p>A Genetic Programming Approach to Generating Musical Compositions David M. Hofmann</p> <p>Echo Christoph Klemmt, Rajat Sodhi</p> <p>Interpretability of Music Classification as a Criterion for Evolutionary Multi-Objective Feature Selection Igor Votolkin, Guenter Rudolph, Claus Weihs</p> <p>Chorale Music Splicing System: an algorithmic music composer inspired by molecular splicing Clelia De Felice, Roberto De Prisco, Delfina Malandrino, Gianluca Zaccagnino, Rocco Zaccagnino, Rosalba Zizza</p> <p>FuXi: a Fish-Driven Instrument for Real-Time Music Performance Joao Cordeiro</p>	<p>EvoAPPLICATIONS posters</p> <p>Studying the Geographical Cluster Paging with delay constraint in Registration Areas with the Algorithm NSGAI Victor Berrocal-Plaza, Miguel A. Vega-Rodriguez, Juan M. Sanchez-Perez</p> <p>Investigating Fitness Measures for the Automatic Construction of Graph Models Kyle Harrison, Mario Ventresca, Beatrice Ombuki-Berman</p> <p>Evolutionary Training of Robotised Architectural Elements Claudio Rossi, Pablo Gil, William Coral</p> <p>Heat Map Based Feature Selection: A Case Study for Ovarian Cancer. Carlos Huertas, Reyes Juárez-Ramirez</p> <p>PowerSurge: A Serious Game on Power Transmission Networks Sebastian von Cammen, Fabian Hertwig, Florian Obermayer, Patrick Lehner</p> <p>Parallel cooperation for large-scale multiobjective optimization on feature selection problems Dragi Kimovski, Julio Ortega, Andrés Ortiz, Raúl Baños</p> <p>Collaborative Diffusion on the GPU for Path-finding in Games Craig McMillan, Emma Hart, Kevin Chalmers</p> <p>A Multiobjective Evolutionary Algorithm for Personalized Tours in Street Networks Ivano De Falco, Umberto Scafuri, Ernesto Tarantino</p> <p>A Projection-Based Approach for Real-time Assessment and Playability Check for Physics-Based Games Mohammad Shaker, Noor Shaker, Mohamed Abou-Zeikha, Julian Togelius</p> <p>Analysis of Diversity Methods for Evolutionary Multi-Objective Ensemble Classifiers Stefan Oehmcke, Justin Heinenmann, Oliver Kramer</p>
	<p>EvoAPPLICATIONS posters</p> <p>How the world was MADE: parametrization of evolved agent-based models for backstory generation Rubén Hector García Ortega, Pablo García Sánchez, Juan Julián Merelo Guervós, Maribel García Arenas, Pedro A. Castillo Valdivieso, Antonio Mora García</p> <p>Object Detection in Natural Images using the Brain Programming Paradigm with a Multi-Objective Approach Eddie Clemente, Gustavo Olague, Daniel E. Hernández, Jose L. Briseño, Jose Mercado</p> <p>A Novel Multi-Objective Approach for Optimising the Protein Inverse Folding Problem Sune S. Nielsen, Grégoire Danoy, Wiktor Jurkowski, Juan Luis Jiménez Laredo, Reinhard Schneider, El-Ghazali Talbi, Pascal Bouvry</p>	<p>EvoAPPLICATIONS posters</p> <p>Evolving Controllers for Programmable Robots to Influence Non-Programmable Lifeforms: A Easy Study Payam Zahadat, Thomas Schmitt</p> <p>Chromatic Selection -- an Oversimplified Approach to Multi-Objective Optimization Giovanni Squillero</p> <p>Automatic Evolution of Parallel Sorting Programs on Multi-cores Gopinath Chennupati, R. Muhammad Atif Azad, Conor Ryan</p> <p>A Concept for Real-Valued Multi-Objective Landscape Analysis Realized on Biochemical Optimization Problems Susanne Rosenthal, Bernd Freisleben, Markus Borschbach</p>	<p>EvoAPPLICATIONS posters</p> <p>Fair Resource Allocation Using Multi-Population Evolutionary Algorithm Tohid Erfani, Rasool Erfani</p> <p>A Benchmark For Virtual Camera Control Paolo Burelli, Georgios Yannakakis</p> <p>Planning the Deployment of Indoor Wireless Sensor Networks through Multiobjective Evolutionary Techniques J. M. Lanza-Gutierrez, J. A. Gomez-Pulido, S. Priem-Mendes, M. Ferreira, J. S. Pereira</p> <p>Applying Non-Dominated Sorting Genetic Algorithm II to Multi-Objective Optimization of a Weighted Multi-Metric Distance for Performing Data Mining Tasks Muhammad Marwan Muhammad Fuad</p>

Thursday 9 April

	room 1	room 2	room 3
0930-1110	<p>EuroGP 4 : Panel Discussion :</p> <p>Future and Emerging Trends in Genetic Programming (open to all)</p>	<p>EvoCOP 1 : Scheduling and Graph Problems session chair: Gabriela Ochoa</p> <p>A New Solution Representation for the Firefighter Problem Bin Hu, Andreas Windbichler, Günther Raidl</p> <p>A Variable Neighborhood Search Approach for the Interdependent Lock Scheduling Problem Matthias Prandtstetter, Ulrike Ritzinger, Peter Schmidt, Mario Ruthmair</p> <p>The New Memetic Algorithm HEAD for Graph Coloring: an Easy Way for Managing Diversity Laurent Moalic, Alexandre Gondran</p> <p>Using Local Search to Evaluate Dispatching Rules in Dynamic Job Shop Scheduling Rachel Hunt, Mark Johnston, Mengjie Zhang</p>	<p>EvoApps 4: Pattern Recognition (APPs topics: IASP+NUM)</p> <p>Alternating Optimization of Unsupervised Regression with Evolutionary Embeddings Oliver Kramer, Daniel Lázár</p> <p>Hybrid Manifold Clustering with Evolutionary Tuning Oliver Kramer</p> <p>Gaussian Transformation based Representation in Particle Swarm Optimisation for Feature Selection Hoai Bach Nguyen, Bing Xue, Ivy Liu, Peter Andreae, Mengjie Zhang</p> <p>Genetic Programming with Alternative Search Drivers for Detection of Retinal Blood Vessels Krzysztof Krawiec, Mikołaj Pawlak</p>
1110-1135	Coffee break		
1135-1315	<p>EvoApps 5: Game Agents (APPs topics: GAMES+STOC)</p> <p>Evolving Diverse Strategies Through Combined Phenotypic Novelty and Objective Function Search Davy Smith, Laurissa Tokarchuk, Chrisantha Fernando</p> <p>It's time to stop: A comparison of termination conditions in the evolution of game bots Antonio Fernández Ares, Antonio Mora García, Pablo García Sánchez, Pedro Castillo Valdivieso, Maribel García Arenas, Gustavo Romero López, Juan Julián Merelo Guervós</p> <p>General Video Game Evaluation Using Relative Algorithm Performance Profiles Thorbjørn S. Nielsen, Gabriella A.B. Barros, Julian Togelius, Mark J. Nelson</p> <p>The Role of Behavioral Diversity and Difficulty of Opponents in Coevolving Game-Playing Agents Marcin Szubert, Wojciech Jaskowski, Pawel Liskowski, Krzysztof Krawiec</p>	<p>EvoCOP 2 : Multi-objective Optimisation session chair: Marc Schoenauer</p> <p>Analysis of Solution Quality of a Multiobjective Optimization-based Evolutionary Algorithm for Knapsack Problem Jun He, Yong Wang, Yuren Zhou</p> <p>Improving the Performance of the Germinal Center Artificial Immune System using ε-dominance : A Multi-objective Knapsack Problem Case Study Ayush Joshi, Christine Zarges, Jonathan Rowe</p> <p>The Sim-EA Algorithm with Operator Autoadaptation for the Multiobjective Firefighter Problem Krzysztof Michalak</p> <p>True Pareto Fronts for Multi-Objective AI Planning Instances Alexandre Quemy, Marc Schoenauer</p>	<p>EvoApps 6: Computer Vision (APPs topics: IASP)</p> <p>A Supervised Figure-ground Segmentation Method using Genetic Programming Yuyu Liang, Mengjie Zhang, Will Browne</p> <p>A Multi-objective Evolutionary Algorithm for Interaction Systems Based on Laser Pointers Francisco Chavez, Eddie Clemente, Daniel E. Hernandez, Francisco Fernandez de Vega, Gustavo Olegue</p> <p>Topology-preserving ordering of the RGB space with an evolutionary algorithm Francisco Florez-Revueita</p> <p>Planar Surfaces Recognition in 3D Point Cloud Using a Real-Coded Multistage Genetic Algorithm Mosab Bazargani, Luis Matos, Maria Amélia R. Loja</p>
1315-1430	Lunch		

1430-1610		<p>EvoApps 7: Content Generation and Learning in Games (APPs topics: GAMES)</p> <p>A Procedural Method for Automatic Generation of Spelunky Levels Noor Shaker, Walaa Baghdadi, Fawzya Shams Eddin, Rawan Al-Omari, Zienna Alhalawani, Mohammad Shaker</p> <p>Evolving Random Forest for Preference Learning Mohamed Abou-Zleikha, Noor Shaker</p> <p>Procedural Personas as Critics for Dungeon Generation Antonios Liapis, Christoffer Holmgard, Georgios N. Yannakakis, Julian Togelius</p> <p>A Progressive Approach to Content Generation Mohammad Shaker, Noor Shaker, Julian Togelius, Mohamed Abou-Zleikha</p>	<p>EvoCOP 3 : Routing and Location Problems session chair: Hoong Chuin Lau</p> <p>A computational comparison of different algorithms for very large p-median problems Pascal Rebreyend, Laurent Lemarchand, Reinhardt Eurler</p> <p>A Variable Neighborhood Search for the Generalized Vehicle Routing Problem with Stochastic Demands Benjamin Biesinger, Bin Hu, Günther Raidl</p> <p>An Iterated Local Search Algorithm for Solving the Orienteering Problem with Time Windows Aidy Gunawan, Hoong Chuin Lau, Kun Lu</p> <p>Multi-Start Iterated Local Search for the Mixed Fleet Vehicle Routing Problem with Heterogenous Electric Vehicles Ons Sassi, Wahiba Ramdane Cherif-Khettaf, Ammar Oulamara</p>	<p>EvoApps 8: Communication Networks (APPs topics: COMNET)</p> <p>A Novel Grouping Genetic Algorithm for Assigning Resources to Users in WCDMA Networks Lucas Cuadra, Sancho Salcedo-Sanz, Antonio D. Carnicer, Miguel A. Del Arco, Jose A. Portilla-Figueras</p> <p>Parallel Extremal Optimization with Guided State Changes applied to Load Balancing Eryk Laskowski, Marek Tudruj, Umberto Scaffuri, Richard Olejnik, Ivanoe De Falco, Ernesto Tarantino</p> <p>A Fast FPGA-Based Classification of Application Protocols Optimized Using Cartesian GP David Grochol, Lukas Sekanina, Martin Zadnik, Jan Korenek</p> <p>A Swarm Intelligence Approach to 3D Distance-based Indoor Localization Stefania Monica, Gianluigi Ferrar</p>
1610-1630	Coffee break			
1630-1810		<p>EvoApps 9: Robotics (APPs topics: ROBOT)</p> <p>On the Tradeoff between Hardware Protection and Optimization Success: A Case Study in Onboard Evolutionary Robotics for Autonomous Parallel Parking Mostafa Wahby, Heiko Hamann</p> <p>Real-World Reproduction of Evolved Robot Morphologies: Automated Categorization and Evaluation Eivind Samuelsen, Kyrre Glette</p> <p>Evolving Generalised Maze Solvers David Shorten, Geoff Nitschke</p> <p>Evolving Robot Controllers for Structured Environments through Environment Decomposition Rodrigo Moreno, Andres Faina, Kasper Stoy</p> <p>Autonomous Learning of Procedural Knowledge in an Evolutionary Cognitive Architecture for Robots Rodrigo Salgado, Francisco Bellas, Richard J. Duro</p>	<p>EvoCOP 4 : Other Applications and Theory session chair: tbc</p> <p>A Biased Random-Key Genetic Algorithm for the Cloud Resource Management Problem Leonard Heilig, Eduardo Lalla-Ruiz, Stefan Voß</p> <p>Evolving Deep Recurrent Neural Networks Using Ant Colony Optimization Travis Desell, Sophie Clachar, James Higgins, Brandon Wild</p> <p>Mixing Network Extremal Optimization for Community Structure Detection Mihal Suciu, Rodica Ioana Lung, Noemi Gasko</p> <p>Runtime Analysis of (1+1) Evolutionary Algorithm Controlled with Q-Learning using Greedy Exploration Strategy on OneMax+ZeroMax Problem Denis Antipov, Maxim Buzdalov, Benjamin Doerr</p>	<p>EvoApps 10: Risk Management & Security (APPs topics: COMNET+RISK)</p> <p>Black Holes and Revelations: Using Evolutionary Algorithms to Uncover Vulnerabilities in Disruption-Tolerant Networks Doina Bucur, Giovanni Iacca, Giovanni Squillero, Alberto Tonda</p> <p>Heuristics for the design of safe humanitarian aid distribution itineraries José Maria Ferrer, María Teresa Ortuño, Gregorio Tirado, Begoña Vitoriano</p> <p>Improving Maritime Awareness with Semantic Genetic Programming and Linear Scaling: Prediction of Vessels Position Based on AIS Data Leonardo Vanneschi, Mauro Castellì, Ernesto Costa, Alessandro Re, Henrique Vaz, Victor Lobo, Paulo Urbano</p> <p>Combining Ensemble of Classifiers by using Genetic Programming for Cyber Security Applications Gianluigi Folino, Francesco Sergio Pisani</p> <p>Automatic Generation of Mobile Malwares Using Genetic Programming Emre Aydogan, Sevil Sen</p>
1830-1930	Boat tour			
1930-2200	Conference dinner			
Friday 10 April				
	room 1	room 2	room 3	
0930-1110	<p>EvoApps 11 : Energy & Finance (APPs topics: ENERGY+FIN)</p> <p>Multiobjective methodology for assessing the location of distributed electric energy storage Jose Goncalves, Luis Neves, Antonio Gomes Martins</p> <p>An energy management system aggregator based on an integrated evolutionary and differential evolution approach Andreia M. Carreiro, Carlos Oliveira, Carlos Henggeler Antunes, Humberto M. Jorge</p> <p>An Evolutionary Optimization Approach to Risk Parity Portfolio Selection Ronald Hochreiter</p> <p>Generating Directional Change Based Trading Strategies with Genetic Programming Jeremie Gypteau, Fernando Otero, Michael Kampouridis</p> <p>Training Financial Decision Support Systems with Thousands of Decision Rules using Differential Evolution with Embedded Dimensionality Reduction Piotr Lipinski</p>	<p>EvoCOP 5 : Best Paper Candidates session chair: Francisco Chicano</p> <p>Hyper-heuristic Operator Selection and Acceptance Criteria Richard Marshall, Mark Johnston, Mengjie Zhang</p> <p>On the Complexity of Searching the Linear Ordering Problem Neighborhoods Benjamin Correal, Philippe Galinier</p> <p>Upper and Lower Bounds on Unrestricted Black-Box Complexity of Jump_l Maxim Buzdalov, Mikhail Kever, Benjamin Doerr</p>	<p>EvoApps 12 : Continuous Parameter Optimisation (APPs topics: NUM+STOC)</p> <p>Seed Disperser Ant Algorithm: An Evolutionary Approach for Optimization Wen Liang Chang, Jeevan Kanesan, Jayant Kulkarni Anand</p> <p>Neuro-evolutionary Topology Optimization with Adaptive Improvement Threshold Nikola Aulig, Markus Olfhofer</p> <p>Evaluating Reward Definitions for Parameter Control Giorgos Karafotias, Mark Hoogendoorn, A.E. Eiben</p> <p>A Preference-based Algorithm for Multi-Objective Structural Optimization Problems with Improved Diversity Management Mechanism Dénis Vargas, Lemonge Afonso, Barbosa Hello, Bernardino Heder</p>	
1110-1130	Coffee break			
1130-1230	Plenary invited talk: Paulien Hogeweg : Non-random random mutations: Evolution of Genotype-Phenotype mapping			
1230-1300	Conference closing, best paper award presentations, and general announcements including 2016 location			
1300-1345	Lunch			
1400-1700	Optional afternoon tour			