

EuroGP Programme (provisional at 12 Feb 2015)

Wednesday 8 April

1120-1300 Euro GP session 1: Scaling GP

session chairs : Penousal Machado & Malcolm Heywood

Indirectly Encoded Fitness Predictors Coevolved with Cartesian Programs

Michaela Sikulova, Jiri Hulva, Lukas Sekanina

Automatic Derivation of Search Objectives for Test-Based Genetic Programming

Krzysztof Krawiec, Paweł Liskowski

Evolutionary Design of Transistor Level Digital Circuits using Discrete Simulation

Vojtech Mrazek, Zdenek Vasicek

Improving Geometric Semantic Genetic Programming with Safe Tree Initialisation

Grant Dick

1415-1555 Euro GP session 2: Applications

session chair : Sara Silva

Learning Text Patterns using Separate-and-Conquer Genetic Programming

Alberto Bartoli, Andrea De Lorenzo, Eric Medvet, Fabiano Tarlao

Evolving Ensembles of Dispatching Rules using Genetic Programming for Job Shop Scheduling

John Park, Su Nguyen, Mengjie Zhang, Mark Johnston

M3GP - Multiclass Classification with GP

Luis Muñoz, Sara Silva, Leonardo Trujillo

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

1620-1800 Euro GP session 3: Best Papers

session chair : Krzysztof Krawiec

Cartesian GP in Optimization of Combinational Circuits with Hundreds of Inputs and Thousands of Gates

Zdenek Vasicek

On the Generalization Ability of Geometric Semantic Genetic Programming

Ivo Gonçalves, Sara Silva, Carlos M. Fonseca

Attributed Grammatical Evolution using Shared Memory Spaces and Dynamically Typed Semantic Function Specification

James Vincent Patten, Conor Ryan

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

1800-1930 EuroGP poster session in conjunction with EvoStar posters and conference reception

Genetic Programming for Feature Selection and Question-Answer Ranking in IBM Watson

Urvesh Bhowan, D. J. McCloskey

Automatic Evolution of Parallel Recursive Programs

Gopinath Chennupati, Muhammad R. Atif Azad, Conor Ryan

Proposal and Preliminary Investigation of a Fitness Function for Partial Differential Models

Igor S. Peretta, Keiji Yamanaka, Paul Bourguine, Pierre Collet

Evolutionary Methods for the Construction of Cryptographic Boolean Functions

Stjepan Picek, Domagoj Jakobovic, Julian F. Miller, Elena Marchiori, Lejla Batina

Templar - a Framework for Template-Method Hyper-Heuristics

Jerry Swan, Nathan Burles

Circuit Approximation Using Single- and Multi-Objective Cartesian GP

Zdenek Vasicek, Lukas Sekanina

Thurs 9 April

0930-1110 Euro GP session 4 Panel Discussion :

Future and Emerging Trends in Genetic Programming (open to all)