

**WSES International Conference on  
Evolutionary Computation**  
Tenerife Playa, Canary Islands, Spain  
February 12-14, 2001

**PROGRAM**

**Monday, February 12**

***Room B'***

**Session 1: 15:00-17:00**

**Chair: G. Parker, H. Muehlenbein**

**Using Ant Colony Algorithms for Minimizing Lateness of Multimedia Data  
Object Requests Problem for WWW Application**

by: *Fawaz S. Al-Anzi, Mohamed S. Al-Fares*

**Evolutionary Algorithm With Experimental Design Technique**

by: *Qingfu Zhang*

**The Genetic Algorithm Scheduling of Vehicles from Multiple Depots to a  
Number of Delivery Points**

by: *Minea Skok, Davor Skrlec, Slavko Krajcar*

**Genetic algorithms can improve the construction of D-optimal experimental  
designs**

by: *Jan Poland, Alexander Mitterer, Kosmas Knoedler, Andreas Zell*

**Tuning PID Controllers through Genetic Algorithms**

by: *Jose F.M.Amaral, Ricardo Tanscheit, Marco A.C. Pacheco*

**Evolving Variable Plasticity in Neural Systems**

by: *John A. Bullinaria*

**Coffee Break 17:00 – 17:30**

## ***Room B'***

**Session 2: 17:30-19:30**

**Chair: K. Egiazarian, M. Skok**

**Using Evolution for Thinking and Deciding**

by: *F. Bellas, J. A. Becerra, R. J. Duro*

**Computational complexity and genetic algorithms**

by: *Bart Rylander, James Foster*

**An Experimental Study of the Simple Ant Colony Optimization Algorithm**

by: *Marco Dorigo, Thomas Stützle*

**Wright's Equation and Evolutionary Computation**

by: *Heinz Muehlenbein, Thilo Mahnig*

**Application of Wright's Equation in Evolutionary Computation**

by: *Heinz Muehlenbein, Thilo Mahnig*

**Method for the optimization of learning systems parameters**

by: *J.A. Fernandez Prieto, Juan R. Velasco Perez*

## **Tuesday, February 13**

## ***Room B'***

**Session 3: 8:00-11:00**

**Chair: A. Uhl, J. F. M. Amaral**

**Optimizing Data Measurements at Test Beds Using Multi-Step Genetic Algorithms**

by: *K. Knoedler, J. Poland, A. Mitterer, A. Zell*

**Learning Control Cycles for Area Coverage with Cyclic Genetic Algorithms**

by: *Gary Parker*

**Decision Diagram Representations for Fitness and Average Fitness Functions in Analysis of Genetic Algorithms**

by: *Karen Egiazarian, Radomir Stankovic, Jaakko Astola, Heikki Huttunen*

**Customized evolutionary optimization of subband structures for wavelet packet image compression**

by: *Thomas Schell, Andreas Uhl*

**An Approach to Design Automation Using Evolutionary Algorithms**

by: *Osyczka Andrzej, Krenich Stanislaw*

**Exclusion-based cooperative coevolution genetic algorithm**

by: *Kwong-Sak Leung*

**Fast-GA: A Genetic Algorithm with Exclusion-based Selections**

by: *Yong Liang, Kwong-Sak Leung, Zong-Ben Xu*

**Conditional Proof in Automated Deduction**

by: *Faye F. Liu*

**Genetic Algorithms and Hardness**

by: *Bart Rylander, James Foster*

**Coffee Break 11:00 – 11:30**

***Room B'***

**Session 4: 11:30-13:30**

**Chair: K. Knoedler, O. Andrzej**

**Genetic Programming-Based Approach for System Identification**

by: *Jose Aguilar, Mariela Cerrada*

**Optimal Topological Design of Communication Networks Using  
Generational/Steady-State and Struggle Genetic Algorithms**

by: *Hameida Sayoud, Kenzo Takahashi, Benoit Vaillant, Nicolas Taillade*

**A dynamical model of the Simple Genetic Algorithm**

by: *Abderramán Marrero, Jiménez Mola, Cuesta Moreno, Winter Althaus*

**Evolutionary computing for shift scheduling and other combinatorial  
optimization problems**

by: *Wolfgang Slany*

**Evolutionary decision forests - decision making with multiple evolutionary  
constructed decision trees**

by: *Vili Podgorelec, Peter Kokol*