

## Wednesday, July 10



9:00	<b>Opening Ceremony</b>	
	<b>Session 1</b> (Session chair: <b>prof. Jiří Pospíchal</b> , approx. 15 min/paper, inc. questions)	
9:05÷09:50 40+5min	<b>Prof. René Lozi</b> (CNRS, Math laboratory, Université Côte d'Azur, France)	<i>Evacuation dynamics in the course of terrorist attacks</i>
09:50÷10:35	<b>Paper IDs: 026, 058, 063</b>	
	COMPARISON OF EVOLUTIONARY DEVELOPMENT OF CELLULAR AUTOMATA USING VARIOUS REPRESENTATIONS (ID19026)	<b>Bidlo Michal</b>
	HYBRID SYMBOLIC REGRESSION WITH THE BISON SEEKER ALGORITHM (ID19058)	<b>Merta Jan</b>
	SPIRAL EXTRUSION DIE DESIGN USING MODIFIED DIFFERENTIAL EVOLUTION ALGORITHM (ID19063)	<b>Pluhacek Michal</b> Hrdy Michal Viktorin Adam Kadavy Tomas Senkerik Roman
10:35÷10:50	<i>Coffee Break</i>	
10:50÷11:50	<b>Paper IDs: 052, 038, 044, 046</b>	
	EVOLUTIONARY VALUE-AT-RISK PARITY PORTFOLIOS (ID19052)	<b>Hochreiter Ronald</b>
	ON THE LEADER SELECTION IN THE SELF-ORGANIZING MIGRATING ALGORITHM (ID19038)	<b>Tomaszek Lukas</b> Zelinka Ivan Chadli Mohammed
	SELF-ORGANIZING MIGRATING ALGORITHM PARETO (ID19044)	<b>Diep Quoc Bao</b> Zelinka Ivan Das Swagatam
	A CLASSIFICATION-BASED HEURISTIC APPROACH FOR DYNAMIC OPTIMIZATION PROBLEMS (ID19046)	<b>Bilgiç Şeyda</b> Etaner Uyar A. Şim
11:50÷12:30	<i>Lunch Break (not included)</i>	
12:30	<b>Session 2</b> (Session chair: <b>prof. Ronald Hochreiter</b> , approx. 15min/paper)	
12:30÷13:15 45min	<b>Pietro S. Oliveto, Ph.D.</b> (University of Sheffield, United Kingdom)	<i>How Theoretical Analyses Can Impact Practical Applications of Evolutionary Computation</i>
13:15÷14:15	<b>Paper IDs: 033, 007, 036, 034</b>	
	SENSITIVITY ANALYSIS OF EVOLUTIONARY ALGORITHM FOR SOFTWARE REUSABILITY (ID19033)	<b>Chhabra Jitender Kumar</b> Rathee Amit
	SIMULATION-BASED RAIL TRAFFIC OPTIMIZATIONS APPLYING MULTICRITERIAL EVALUATIONS OF VARIANTS (ID19007)	<b>Kavicka Antonin</b> Bazanĭ Michael Divis Roman Varga Michal
	HEURISTICS FOR WASTE COLLECTION ARC ROUTING PROBLEM (ID19036)	<b>Vlastimír Nevrlý</b> Radovan Šomplák Pavel Popela
	LOAD FREQUENCY CONTROL OF HVDC LINK INTERCONNECTED POWER SYSTEM USING GENETIC ALGORITHM (ID19034)	<b>Chanana Saurabh</b> Kumar Saurabh
14:15÷14:30	<i>Coffee Break</i>	

14:30÷16:30

**Paper IDs: 005, 009, 022, 035, 053, 004, 066, 049**

MANY-OBJECTIVE OPTIMISATION FOR AN INTEGRATED SUPPLY CHAIN MANAGEMENT PROBLEM (ID19005)	<b>Turk Seda</b> Ozcan Ender John Robert
ANT COLONY OPTIMISATION FOR PERFORMING COMPUTATIONAL TASK IN CELLULAR AUTOMATA (ID19009)	<b>Bidlo Michal</b> Korgo Jakub
MODELING CBR VALUE USING RF AND MSP TECHNIQUES (ID19022)	<b>Aggarwal Praveen</b> Suthar Manju
PREDICTION OF COMPRESSIVE STRENGTH USING SUPPORT VECTOR REGRESSION (ID19035)	<b>Vijay Pal Singh</b> Goutham Sai
DOES LIFELONG LEARNING AFFECT MOBILE ROBOT EVOLUTION? (ID19053)	<b>Prabhu Shanker G R</b> Kyberd Peter Melis Wim Wetherall Jodie
HOW TO BURN A NETWORK OR SPREAD ALARM (ID19004)	<b>Jiri Pospichal</b> Huraj Ladislav Šimon Marek Dirgová Luptáková Iveta
TOWARDS REDUCING THE IMPACT OF LOCALISATION ERROR ON THE BEHAVIOUR OF A SWARM OF AUVS (ID19066)	<b>El-Mihoub Tarek</b> Tholen Christoph Nolle Lars
AN ENSEMBLE-BASED MALWARE DETECTION MODEL USING MINIMUM FEATURE SET (ID19049)	<b>Amer Eslam</b> Zelinka Ivan

16:30÷16:45

*Coffee Break*

16:45÷17:30 40+5min

**Prof. Janez Brest** (University of Maribor, Slovenia)*Real-Parameter Single Objective Optimization with Differential Evolution: Algorithms jSO and jDE100*

17:30

**Social - Welcome Reception**

## Thursday, July 11



<b>8:30</b>	<b>Session 3</b> (Session chair: <b>dr. Pavel Popela</b> , approx. 15 min/paper)	
8:30÷10:00	<b>Paper IDs: 024, 051, 003, 023, 031, 015</b>	
	OPTIMIZATION OF DEPOSITION PARAMETERS OF A DLC LAYER USING (RF) PECVD TECHNOLOGY (ID19024)	<b>Prokes Tomas</b> Mouralova Katerina Zahradnicek Radim Bednar Josef Kalivoda Milan
	IMPROVING AEROFOIL GEOMETRY PART II.: OPTIMALIZATION (ID19051)	<b>Muller Jan</b> Osmera Pavel
	A SURVEY ON ARTIFICIAL INTELLIGENCE IN MALWARE AS NEXT-GENERATION THREATS (ID19003)	<b>Thanh Cong Truong</b> Zelinka Ivan
	CHOOSING AN OPTIMAL SIZE RANGE OF THE PRODUCT "PIPE CLAMP" (ID19023)	<b>Malakov Ivo</b> Zaharinov Velizar
	EVALUATION OF PERMUTATION-BASED MUTATION OPERATORS ON THE PROBLEM OF AUTOMATIC CONNECTION MATCHING IN CLOSED-LOOP CONTROL SYSTEM (ID19031)	<b>Mironovich Vladimir</b> Buzdalov Maxim Vyatkin Valeriy
	MODELLING OF COMPLEX SYSTEMS BY MEANS OF PARTIAL ALGEBRAS (ID19015)	<b>Bila Jiri</b> Ricardo Rodriguez Jorge Novak Martin
10:00÷10:20	<i>Coffee Break</i>	
10:20÷11:00	35+5min <b>Jan Studnicka, MSc. – HUMUSOFT (MathWorks)</b> <i>Optimization and Global Optimization using MATLAB</i>	
11:00÷11:45	<b>Paper IDs: 012, 014, 056</b>	
	EIGENVECTOR CROSSOVER IN THE EFFICIENT JSO ALGORITHM (ID19012)	<b>Bujok Petr</b> Poláková Radka
	EVOLVING PREDICTIONS FOR EXECUTIVE PAY FEATURES IN BOARD NETWORKS (ID19014)	<b>Hauptman Ami</b> Benbassat Ami Rosenboim Rosit
	UNCONVENTIONAL METHODS IN VOYNICH MANUSCRIPT ANALYSIS (ID19056)	<b>Zelinka Ivan</b> Zmeskal Oldrich Windsor Leah Zhiqiang Cai
11:45÷12:00	<i>Coffee Break</i>	
12:00÷12:45	40+5min <b>Prof. Juergen Branke (The University of Warwick, United Kingdom)</b> <i>Learning to Optimize and Optimal Learning</i>	
12:45÷13:50	<i>Lunch Break (not included)</i>	
<b>14:00</b>	<b>Session X</b> (Chairs: <b>Radek Matousek</b> and <b>Jakub Kudela</b> , approx. 15 min/talk!)	
	<b>THE WORKSHOP: rendezvous of participants 13:50</b> <b>the workshop program will be specify at the registration</b> <i>(Dinner included at 18:15, projector and audio equipment are provided)</i>	
<b>22:30</b>	<b>returning from the workshop</b>	

## Friday, July 12



**9:00**

**Session 4** (Session chair: **prof. Roman Šenkeřík**, approx. 15 min/paper)

9:00÷10:00

**Paper IDs: 016, 010, 055, 029**

PREDICTING THE SPREAD OF MALWARE OUTBREAKS USING AUTOENCODER  
BASED NEUTRAL NETWORKS (ID19016)

**Gopika Bhardwaj**  
Rashi Yadav

NEURO-EVOLUTION OF MOBILE ROBOT CONTROLLER (ID19010)

**Sekaj Ivan**  
Hvozdk Milan  
Cifersky Ladislav

DATA AGGREGATION IN MOBILE WIRELESS SENSOR NETWORKS  
REPRESENTED AS STATIONARY EDGE-MARKOVIAN EVOLVING GRAPHS  
(ID19055)

**Kenyeres Martin**  
Kenyeres Jozef

INTERRC: AN INTER-RESOURCES COLLABORATION HEURISTIC FOR  
SCHEDULING INDEPENDENT TASKS ON HETEROGENEOUS DISTRIBUTED  
ENVIRONMENTS (ID19029)

**Khiat Abdelhamid**  
Tari Abdelkamel

10:00÷10:50 <sup>45+5min</sup> **Prof. Kenneth A. De Jong** (George Mason University, United States)  
*High-Performance Evolutionary Algorithms*

10:50÷11:05 *Coffee Break*

11:05÷12:00

**Paper IDs: 030, 050, 042, 019**

MACHINE LEARNING BLUNTS THE NEEDLE OF ADVANCED SQL INJECTIONS  
(ID19030)

**Volkova Marina**  
Chmelar Petr  
Sobotka Lukas

EFFICIENT COMPUTATION OF FITNESS FUNCTION FOR EVOLUTIONARY  
CLUSTERING (ID19050)

**Muravyov Sergey**  
Antipov Denis  
Buzdalova Arina  
Filchenkov Andrey

ON PERFORMANCE OF DISTRIBUTED SYSTEM SIZE ESTIMATION EXECUTED  
BY AVERAGE CONSENSUS WEIGHTS (ID19042)

**Kenyeres Martin**  
Kenyeres Jozef

SEGMENTATION METHOD OVERVIEW FOR THERMAL IMAGES IN MATLAB  
COMPUTATIONAL ENVIRONMENT (ID19019)

**Bostik Ondrej**  
Valach Sobeslav  
Horak Karel  
Klecka Jan

12:00÷12:50 <sup>45+5min</sup> **Dr. Carlos A. Coello Coello** (CINVESTAV-IPN, Mexico)  
*Where is the research on evolutionary multi-objective optimization heading to?*

**12:50**

**Closing Ceremony**