<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Main Track</th>
<th>Special Session WebSys</th>
<th>Special Session ANST</th>
<th>Special Session CSI</th>
<th>Main Track Sentiment Analysis</th>
<th>Special Session EL</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 – 11:00</td>
<td>Salón de Actos</td>
<td>John Oommen</td>
<td>Text Classification</td>
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<td>Using Novel “Anti-Bayesian” Techniques</td>
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<td>11:00 – 11:30</td>
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<td><strong>Coffee Break</strong></td>
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<tr>
<td>11:30 – 13:00</td>
<td>Room 1</td>
<td>Main Track Multi-agent Systems I</td>
<td>Special Session WebSys I</td>
<td>Special Session ANST I</td>
<td>Special Session CSI I</td>
<td>Main Track Sentiment Analysis I</td>
<td>Special Session EL I</td>
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<tr>
<td>13:00 – 14:30</td>
<td>Room 2</td>
<td>Lunch</td>
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<tr>
<td>14:30 – 16:00</td>
<td>Room 3</td>
<td>Main Track Multi-agent Systems II</td>
<td>Special Session WebSys II</td>
<td>Special Session ANST II</td>
<td>Main Track Social Networks &amp; NLP I</td>
<td>Main Track Sentiment Analysis II</td>
<td>Special Session EL II</td>
</tr>
<tr>
<td>16:00 – 16:30</td>
<td>Room 4</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>16:30 – 18:00</td>
<td>Room 5</td>
<td>Main Track Multi-agent Systems III</td>
<td>Special Session WebSys III</td>
<td>Special Session ANST III</td>
<td>Main Track Social Networks &amp; NLP II</td>
<td>Special Session CIFM</td>
<td>Special Session SIDATA I</td>
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<tr>
<td>Tuesday 22</td>
<td>Salón de Actos</td>
<td>Room 1</td>
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<tr>
<td>10:00 – 11:00</td>
<td>Francisco Herrera</td>
<td><strong>Big Data: Technologies and algorithms to deal with challenges</strong></td>
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<td>11:00 – 11:30</td>
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<tr>
<td>11:30 – 13:00</td>
<td><strong>Main Track</strong></td>
<td><strong>Computational Intelligence &amp; Games I</strong></td>
<td><strong>Special Session</strong></td>
<td><strong>ItiB I</strong></td>
<td><strong>Special Session</strong></td>
<td><strong>ANST IV</strong></td>
<td><strong>Special Session</strong></td>
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<tr>
<td>13:00 – 14:30</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>14:30 – 16:00</td>
<td><strong>Main Track</strong></td>
<td><strong>Computational Intelligence &amp; Games II</strong></td>
<td><strong>Special Session</strong></td>
<td><strong>ItiB II</strong></td>
<td><strong>Special Session</strong></td>
<td><strong>ANST V</strong></td>
<td><strong>Main Track</strong></td>
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<tr>
<td>16:00 – 16:30</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>16:30 – 18:00</td>
<td><strong>Main Track</strong></td>
<td><strong>Computational Intelligence &amp; Games III</strong></td>
<td><strong>Main Track</strong></td>
<td><strong>Neural Networks, SMT &amp; MIS I</strong></td>
<td><strong>Main Track</strong></td>
<td><strong>Formal Models &amp; Simulation I</strong></td>
<td><strong>Main Track</strong></td>
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<tr>
<td>21:00</td>
<td><strong>Conference Dinner:</strong> Restaurante <em>Colonial Norte</em>(^1) (Metro: Príncipe Pío, lines 6 and 10)</td>
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\(^1\) The restaurant can be easily reached by metro. It is just one stop from the Argüelles station (line 6), close to all the recommended hotels.
<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:00 – 11:00</td>
<td>Salón de Actos</td>
<td>Guy Theraulaz: Collective information processing in fish schools: from data to computational models</td>
</tr>
<tr>
<td>11:00 – 11:30</td>
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<td>Coffee Break</td>
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<tr>
<td>11:30 – 13:00</td>
<td>Room 1</td>
<td>Main Track Computational Intelligence &amp; Games IV</td>
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<td>Room 2</td>
<td>Main Track Neural Networks, SMT &amp; MIS II</td>
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<td>Room 3</td>
<td>Main Track Formal Models &amp; Simulation II</td>
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<td>Room 4</td>
<td>Main Track Ontologies and Information Extraction III</td>
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<td>Room 5</td>
<td>Special Session ColEdu II</td>
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<td>Special Session CSDMO II</td>
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<td>13:00 – 14:30</td>
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<td>Lunch</td>
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<td>14:30 – 15:30</td>
<td></td>
<td>Jorge Ufano: Trading and Poker: Using computers to take intelligent decisions</td>
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<td>15:30 – 15:40</td>
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<td>Closing – ICCCI 2015</td>
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<tr>
<td>15:45 – 20:00</td>
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<td>Excursion: Monasterio de San Lorenzo de El Escorial²</td>
</tr>
</tbody>
</table>

² The bus will depart from the Conference venue and will return to the Argüelles metro station.
Main Track

Computational Intelligence & Games I  Tuesday, Salón de Actos, 11:30 – 13:00

- Enhancing History-based Move Ordering in Game Playing Using Adaptive Data Structures
  Spencer Polk and John Oommen

- Text-Based Semantic Video Annotation for Interactive Cooking Videos
  Kyeong-Jin Oh, Myung-Duk Hong, Ui-Nyoung Yoon and Geun-Sik Jo

- Objects Detection and Tracking on the Level Crossing
  Zdenek Silar and Martin Dobrovolny

Computational Intelligence & Games II  Tuesday, Salón de Actos, 14:30 – 16:00

- Spatial-based Joint Component Analysis Using Hybrid Boosting Machine for Detecting Human Carrying Baggage
  Wahyono and Kanghyun Jo

- Multi-population cooperative bat algorithm for association rule mining
  Kamel Eddine Heraguemi, Nadjet Kamel and Habiba Drias

- Supervised Greedy Layer-Wise Training for Deep Convolutional Networks with Small Datasets
  Raúl Ramos-Pollán, Diego Alexander Rueda Plata and Fabio-Augusto González-Osorio

Computational Intelligence & Games III  Tuesday, Salón de Actos, 16:30 – 18:00

- An Equilibrium in a Sequence of Decisions with Veto of First Degree
  David Ramsey and Jacek Mercik

- DC Programming and DCA for Dictionary Learning
  Xuan Thanh Vo, Hoai An Le Thi, Thi Bich Thuy Nguyen and Tao Pham Dinh

- Evolutionary Algorithm for Large Margin nearest Neighbour Regression
  Florin Leon and Silvia Curteanu

Computational Intelligence & Games IV  Wednesday, Salón de Actos, 11:30 – 13:00

- Artificial immune system: An effective way to reduce model overfitting
  Waseem Ahmad and Ajit Narayanan

- Malfunction Immune Wi-Fi Localisation Method
  Marcin Luckner and Rafał Górak

- User Profile Analysis for UAV operators in a Simulation Environment
  Víctor Rodríguez-Fernández, Héctor Menéndez and David Camacho
### Main Track

#### Formal Models & Simulation I  
**Tuesday, Aula 2, 16:30 – 17:30**

- Formal and computational model for A. Smith's Invisible Hand paradigm  
  Tadeusz Szuba, Stanislaw Szydlo and Pawel Skrzynski

- Comparison of Edge Operators for Detection of Vanishing Points  
  Dongwook Seo, Danilo Caceres Hernandez and Kang-Hyun Jo

#### Formal Models & Simulation II  
**Wednesday, Aula 2, 11:30 – 12:30**

- A Tolerance-Based Semantics of Temporal Relations: First Steps  
  Aymen Gammoudi, Allel Hadjali and Boutheina Ben Yaghlane

- Integer Programming Based Stable and Efficiency Algorithm for Two-Sided Matching with Indifferences  
  Naoki Ohta

#### Multi agent Systems I  
**Monday, Salón de Actos, 11:30 – 13:00**

- ADELFE 3.0 Design, building Adaptive Multi Agent Systems based on Simulation. A Case Study  
  Wafa Mefteh, Frederic Migeon, Marie-Pierre Gleizes and Faiez Gargouri

- Multi Agent model based on Chemical Reaction Optimization for Flexible Job Shop Problem  
  Bilel Marzouki and Olfa Belkahla Driss

- MATS–JSTL: a Multi-Agent model based on Tabu Search for Job Shop problem with Time Lags  
  Madiha Harrabi and Olfa Belkahla

#### Multi agent Systems II  
**Monday, Salón de Actos, 14:30 – 16:00**

- A model of a multiagent early warning system for crisis situations in economy  
  Marcin Hernes, Marcin Maleszka, Ngoc Thanh Nguyen and Andrzej Bytniewski

- Combining Machine Learning and Multi-Agent Approach for Controlling Traffic at Intersections  
  Mateusz Krzysztoń and Bartłomiej Śnieżyński

- A scalable distributed architecture for web-based software agents  
  Dejan Mitrovic, Mirjana Ivanovic, Milan Vidakovic and Zoran Budimac

#### Multi agent Systems III  
**Salón de Actos, 16:30 – 18:00**

- BPMN Processes to Organization Centered Multi-Agent Systems Mapping to Help Assess Crisis Situations  
  Le Nguyen Tuan Thanh, Hanachi Chihab, Stinckwich Serge and Ho Tuong Vinh

- Agent Based Quality Management in Lean Manufacturing  
  Rafał Cupek, Huseyin Erdogan, Lukasz Huczala, Udo Wozar and Adam Ziebinski

- Towards a framework for hierarchical multi-agent plans diagnosis and recovery  
  Said Brahimi, Ramdane Maamri and Zaidi Sahnoun
Main Track

Neural Networks, SMT & MIS I  Tuesday, Aula 1, 16:30 – 17:30

- Design Analysis of Intelligent Dynamically Phased Array Smart Antenna using Dipole Leg and Radial Basis Function Neural Network
  Abhishek Rawat, Vidhi Rawat and R. N. Yadav

- On the Accuracy of Copula-based Bayesian Classifiers: An Experimental Comparison with Neural Networks
  Lukáš Slechan and Jan Görecki

Neural Networks, SMT & MIS II  Wednesday, Aula 1, 11:30 – 12:30

- Automating Event Recognition for Statistical Machine Translation systems
  Emna Hkiri, Mallat Souheyl, Mohsen Maraoui and Mounir Zrigui

- Deriving Consensus for Term Frequency Matrix in a Cognitive Integrated Management Information System
  Marcin Hernes

Ontologies and Information Extraction I  Tuesday, Aula 3, 14:30 – 16:00

- Ontology-based Information Extraction from Spanish Forum
  Willy Peña and Andrés Melgar

- Knowledge-based Approach to Question Answering System Selection
  Agnieszka Konys

- Text Relevance Analysis Method over Large-scale High-dimensional Text Data Processing
  Ling Wang, Wei Ding, Tie Hua Zhou and Keun Ho Ryu

Ontologies and Information Extraction II  Tuesday, Aula 3, 16:30 – 18:00

- Linguistic summaries of graph datasets using ontologies: an application to Semantic Web
  Łukasz Strobin and Adam Niewiadomski

- Movie Summarization using Characters Network Analysis
  Quang Dieu Tran, Dosam Hwang and Jason J. Jung

- A Mobile Context-Aware Proactive Recommendation Approach
  Imen Akermi and Rim Faiz

Ontologies and Information Extraction III  Wednesday, Aula 3, 11:30 – 12:30

- A Method for Profile Clustering Using Ontology Alignment in Personalized Document Retrieval Systems
  Bernadetta Maleszka

- User Personalisation for the Web Information Retrieval using Lexico-Semantic Relations
  Agnieszka Indyka-Piasecka, Piotr Jacewicz and Elżbieta Kukla
Main Track

Sentiment Analysis I  Monday, Aula 4, 11:30 – 13:00

- How impressionable are you? - Grey Knowledge, Groups and Strategies in OSN
  Camelia Delcea, Ioana Bradea, Ramona Paun and Emil Scarlat
- Semi-Supervised Multi-View Sentiment Analysis
  Gergana Lazarova and Ivan Koychev
- Modelling and Simulating Collaborative Scenarios for Designing an Assistant Ambient System that Supports Daily Activities
  Triki Sameh, Hanachi Chihab, Gleizes Marie-Pierre, Glize Pierre and Rouyer Alice

Sentiment Analysis II  Monday, Aula 4, 14:30 – 15:30

- Regression Methods in the Authority Identification within Web Discussions
  Kristína Machová and Jaroslav Štefaník
- Sem-SPARQL Editor: An editor for the semantic interrogation of Web pages
  Sahar Maâlej Dammak, Anis Jedidi and Rafik Bouaziz

Social Networks & NLP I  Monday, Aula 3, 14:30 – 16:00

- A survey of Twitter Rumor Spreading Simulations
  Emilio Serrano
- Mining Interesting Topics in Twitter Communities
  Eleni Vathi, Georgios Siolas and Andreas Stafylopatis
- Community Division of Bipartite Network Based on Information Transfer Probability
  Chunlong Fan, Hengchao Wu, Chi Zhang and Chang Liu

Social Networks & NLP II  Monday, Aula 3, 16:30 – 17:30

- User-Tweet Interaction Model and Social Users Interactions for Tweet Contextualization
  Rami Belkaroui, Rim Faiz and Pascale Kuntz
- Supervised learning to measure the semantic similarity between Arabic sentences
  Wafa Wall, Bilel Gargouri and Abdelmajid Ben Hamadou
## Special Sessions

### ANST 2015 Advanced Networking and Security Technologies

#### ANST I Monday, Aula 2, 11:30 – 13:00

- **SAME: An Intelligent Anti-Malware Extension for Android ART Virtual Machine**  
  *Kostantinos Demertzis and Lazaros Iliadis*

- **Endpoint Firewall for Local Security Hardening in Academic Research Environment**  
  *Ladislav Balik, Ondrej Hornig, Josef Horalek and Vladimir Sobeslav*

- **Fuzzy Granular Classifier Approach for Spam Detection**  
  *Ali Selamat*

#### ANST II Monday, Aula 2, 14:30 – 16:00

- **An Implementation of Rough Set Theory in the Multiple Criteria Decision Analysis Problems: A Preliminary Study**  
  *Ali Selamat*

- **Network Visualization Survey**  
  *Ales Komarek, Vladimir Sobeslav and Jakub Pavlik*

- **A Proposal of a Big Web Data Application and Archive for the Distributed Data Processing with Apache Hadoop**  
  *Martin Lnenička, Jan Hovad and Jitka Komarkova*

#### ANST III Monday, Aula 2, 16:30 – 17:30

- **Centralized Data Flow Management System**  
  *Agáta Bodnárová and Michal Kôkôrčený*

- **Decision Support Smartphone Application Based on Interval AHP Method**  
  *Richard Cimler, Karel Mls and Martin Gavalec*

#### ANST IV Tuesday, Aula 2, 11:30 – 13:00

- **Impact of Weather Conditions on Fingerprinting Localization based on IEEE 802.11a**  
  *Peter Brida and Juraj Machaj*

- **Enterpise ICT Transformation to Agile Environment**  
  *Ales Komarek, Vladimir Sobeslav and Jakub Pavlik*

- **Analysis of the use of cloud services and their effects on the efficient functioning of a Company**  
  *Josef Horalek, Simeon Karamazov, Filip Holik and Tomas Svoboda*

#### ANST V Tuesday, Aula 2, 14:30 – 16:00

- **Proposal to centralize operational data outputs of airport facilities**  
  *Josef Horalek, Sona Neradova, Simeon Karamazov, Filip Holik, Ondrej Marik and Stanislav Zitta*

- **IED remote data acquisition and processing in power distribution**  
  *Ladislav Balik, Ondrej Hornig, Josef Horalek and Vladimir Sobeslav*

- **Social Networks and their Potential for Education**  
  *Petra Poulova and Blanka Klimova*
Special Sessions

**BigDMS 2015 Big Data Mining and Searching**

<table>
<thead>
<tr>
<th>BigDMS I Tuesday, Aula 4, 11:30 – 12:30</th>
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</thead>
</table>
| • What if mixing technologies for Big Data mining and queries optimization  
  *Dhouha Jemal and Rim Faiz* |
| • Parallel K-prototypes for Clustering Big Data  
  *Mohamed Aymen Ben Hajkacem, Chiheb-Eddine Ben N’Cir and Nadia Essoussi* |

<table>
<thead>
<tr>
<th>BigDMS II Tuesday, Aula 4, 14:30 – 15:30</th>
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</thead>
</table>
| • Big Data: Concepts, challenges and Applications  
  *Imen Chebbi, Wadii Boulila and Imed Riadh Farah* |
| • Improving information-carrying data capacity in text mining  
  *Marcin Gibert* |

**CIFM 2015 Computational Intelligence in Financial Markets**

<table>
<thead>
<tr>
<th>CIFM Monday, Aula 4, 16:30 – 17:30</th>
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</table>
| • Measuring the impact of imputation in financial fraud  
  *Stephen Moepya, Sharat Akhoury, Fulufelo Nelwamondo and Bhekisipho Twala* |
| • An Improved Grey Forecasting Models Case in China’s Coal Consumption Demand  
  *Chia-Nan Wang and Van-Thanh Phan* |

**ColEdu 2015 Collective Computational Intelligence in Educational Context**

<table>
<thead>
<tr>
<th>ColEdu I Tuesday, Aula 4, 16:30 – 17:30</th>
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</table>
| • Meta-learning based framework for helping non-expert miners to choose a suitable classification algorithm: an application for the educational field  
  *Marta Zorrilla and Diego García-Saiz* |
| • Fuzzy Logic Based Modeling for Building Contextual Student Group Recommendations  
  *Krzysztof Myszkorowski and Danuta Zakrzewska* |

<table>
<thead>
<tr>
<th>ColEdu II Wednesday, Aula 4, 11:30 – 13:00</th>
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</table>
| • Mining Social Behavior in the Classroom  
  *Roberto Araya, Ragnar Behncke, Amiitai Linker and Johan van der Molen* |
| • Using Concept Maps in Education of Immunological Computation and Computational Immunology  
  *Martina Husáková* |
| • Framework of Design Requirements for E-learning Applied on Blackboard Learning System  
  *Aneta Bartuskova, Ondrej Krejcar and Ivan Soukal* |
### Special Sessions

#### CSDMO 2015 Cooperative Strategies for Decision Making and Optimization

<table>
<thead>
<tr>
<th>CSDMO I  Tuesday, Aula 3, 11:30 – 13:00</th>
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</table>
| • Performance Evaluation of Multi-UAV Cooperative Mission Planning Models  
  Cristian Ramírez-Atencia, Gema Bello Orgaz, Maria D. R-Moreno and David Camacho |
| • A Hybrid Distance-Based and Naive Bayes Online Classifier  
  Joanna Jedrzejowicz and Piotr Jedrzejowicz |
| • Cluster-dependent Feature Selection for the RBF Networks  
  Ireneusz Czarnowski and Piotr Jedrzejowicz |

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<tr>
<th>CSDMO II Wednesday, Aula 5, 11:30 – 13:00</th>
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</table>
| • InterCriteria Analysis of Parameters Relations in Fermentation Processes Models  
  Olympia Roeva, Peter Vassilev, Maria Angelova and Tania Pencheva |
| • Optimization procedure of the multi-parameter assessment and bidding of decision-making variants in the computerized decision support system  
  Jarosław Becker and Ryszard Budziński |
| • Supporting Cooperative Decisions with a Multicriteria Generalization of the Nash Solution  
  Lech Kruś |

#### CSI 2015 Computational Swarm Intelligence

<table>
<thead>
<tr>
<th>CSI I  Monday, Aula 3, 11:30 – 13:00</th>
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</table>
| • A new algorithm to categorize e-mail messages to folders with Social Networks Analysis  
  Urszula Boryczka, Barbara Probierz and Jan Kozak |
| • Population-Based Ant Colony Optimization for Sequential Ordering Problem  
  Rafał Skinderowicz |
| • Designing a Universal Suboptimal Tree Integration Algorithm  
  Marcin Maleszka |

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<tr>
<th>CSI II  Tuesday, Aula 5, 14:30 – 16:00</th>
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</table>
| • Heterogeneous DPSO algorithm for DTSP  
  Urszula Boryczka and Łukasz Strąk |
| • Decomposition based Multiobjective Hyper Heuristic with Differential Evolution  
  Richard Goncalves, Josiel Kuk, Carolina Almeida and Sandra Venske |
| • Multi-start Differential Evolution Approach in the Process of Finding Equilibrium Points in the Covariant Games  
  Przemysław Juszczuk |

<table>
<thead>
<tr>
<th>CSI III Tuesday, Aula 5, 16:30 – 17:30</th>
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</table>
| • Genetic Algorithm in stream cipher cryptanalysis  
  Iwona Polak and Mariusz Boryczka |
| • Cryptanalysis of SDES using modified version of Binary Particle Swarm Optimization  
  Kamil Dworak and Urszula Boryczka |
Special Sessions

EL 2015 Ensemble Learning

EL I  Monday, Aula 5, 11:30 – 13:00

- Investigation of the impact of missing value imputation methods on the k-NN classification accuracy
  Tomasz Orczyk and Piotr Porwik

- Enhancing Intelligent Property Valuation Models by Merging Similar Cadastral Regions of a Municipality
  Tadeusz Lasota, Edward Sawiłow, Zbigniew Telec, Bogdan Trawiński,

- Marta Roman, Paulina Matczuk and Patryk Popowicz Blurred labeling segmentation algorithm for hyperspectral images
  Pawel Ksieniewicz, Manuel Grana and Michal Wozniak

EL II  Monday, Aula 5, 14:30 – 16:00

- Keystroke Data Classification for Computer User Profiling and Verification
  Tomasz Wesołowski and Piotr Porwik

- The new multilayer ensemble classifier for verifying users based on keystroke dynamics
  Rafal Doroz, Piotr Porwik and Hossein Safaverdi

- Application of Evolving Fuzzy Systems to Construct Real Estate Prediction Models
  Bogdan Trawiński, Zbigniew Telec, Tadeusz Lasota, Krzysztof Trawiński and Martin Grzeslowski

ItiB 2015 IT in Biomedicine

ItiB I  Tuesday, Aula 1, 11:30 – 13:00

- Development of Information and Management System for Laboratory based on OpenSource Licensed Software
  Pavel Blažek, Daniel Jun, Ondrej Krejcar and Kamil Kuca

- Determining of Blood Artefacts in Endoscopic Images using a Software Analysis
  Ondrej Krejcar

- Combating Infectious Diseases with Computational Immunology
  Martina Husáková

ItiB II  Tuesday, Aula 1, 14:30 – 15:30

- Mobile Cloud Computing In Healthcare System
  Hanen Jemal, Zied Kechaou, Mounir Ben Ayed and Adel M. Alimi

- Parallel Flexible Molecular Docking in Computational Chemistry on High Performance Computing Clusters
  Rafael Dolezal, Teodorico Ramalho, Tanos Franza and Kamil Kuca
Special Sessions

SIDATA 2015 Science Intelligence and Data Analytics

SIDATA I Monday, Aula 5, 16:30 – 17:30

- Expressing a temporal entity-relationship model as a traditional entity-relationship model
  *Quang Hoang and Thuong Pham*

- A Probabilistic Ontology for the Prediction of Author’s Interests
  *Emna Hlel, Salma Jamoussi and Abdelmajid Ben Hamadou*

SIDATA II Tuesday, Aula 5, 11:30 – 13:00

- A Framework of Faceted Search for Unstructured Documents Using Wiki Disambiguation
  *Binh Duc Dang, Hong Son Nguyen, Thanh Binh Nguyen and Trong Hai Duong*

- Current Derivative Estimation of Non-Stationary Processes based on Metrical Information
  *Elena Kochegurova and Ekaterina S. Gorokhova*

- An intelligent possibilistic approach to reduce the effect of the imperfection propagation on land cover change prediction
  *Ahlem Ferchichi, Wadii Bouliqa and Imed Riadh Farah*

WebSys 2015 Collective Intelligence in Web Systems Web Systems Analysis

WebSys I Monday, Aula 1, 11:30 – 13:00

- Optimization of 3D Rendering by Simplification of Complicated Scene for Mobile Clients of Web Systems
  *Ondrej Krejcar*

- Automatic Categorization of Shots in News Videos Based on the Temporal Relations
  *Kazimierz Choroś*

- Saliency-guided Video Deinterlacing
  *Maria Trocan and Francois-Xavier Coudoux*

WebSys II Monday, Aula 1, 14:30 – 16:00

- Towards a System For Cloud Services Discovery and Composition based on Ontology
  *Rawand Guerfel, Zohra Sba’i and Rahma Ben Aed*

- Modeling the Impact of Visual Components on Verbal Communication in Online Advertising
  *Jaroslaw Jankowski, Jarosław Wątrobski and Paweł Ziembka*

- Countering Social Engineering through Social Media: An Enterprise Security Perspective
  *Heidi Wilcox and Maumita Bhattacharya*

WebSys III Monday, Aula 1, 16:30 – 17:30

- Loading Speed of Modern Websites and Reliability of Online Speed Test Services
  *Aneta Bartuskova and Ondrej Krejcar*

- Knowledge Management in Website Quality Evaluation Domain
  *Jaroslaw Jankowski, Paweł Ziembka, Jaroslaw Wątrobski and Jarosław Becker*