

ADBIS 2012

Workshops and PhD Consortium program

ADBIS Registration

Monday 08:00 – 12:00 and 18:00 – 20:00
Tuesday-Thursday 08:00 – 12:00

Monday 17.09.2012

***** TRACK 1 ***** (room 13)

09:00 – 10:30 **Workshop on Mining Complex and Stream Data (MCSD 2012)**

Machine-generated Data Analytics: Challenges and Opportunities

Graham Toppin - (invited talk)

SONCA. Scalable Semantic Processing of Rapidly Growing Document Stores

Marek Grzegorowski, Przemysław Wiktor Pardel, Sebastian Stawicki, Krzysztof Stencel

Soft competitive learning for large data sets

Frank-Michael Schleich, Xibin Zhu, Barbara Hammer

10:30 – 11:00 coffee break

11:00 – 12:45 **Workshop on Mining Complex and Stream Data (MCSD 2012)**

Diversity in ensembles for one-class classification

Bartosz Krawczyk

Enhancing concept drift detection with simulated recurrence

Piotr Sobolewski, Michał Woźniak

Comparing block ensembles for data streams with concept drift

Magdalena Deckert, Jerzy Stefanowski

Evaluation of stream data by formal concept analysis

Martin Radvanský, Vladimír Sklenář, Václav Snášel

12:45 – 14:15 lunch

14:15 – 15:45 **Workshop on Mining Complex and Stream Data (MCSD 2012)**

Data Warehouse for Event Streams Violating Rules

Bogdan D. Czejdo (invited / special talk)

Granular Knowledge Discovery Framework. A Case Study of Incident Data Reporting System

Adam Krasuski, Dominik Ślęzak, Karol Kreński, Stanisław Łazowy

Approximation Algorithms for Massive High-Rate Data Streams

Alfredo Cuzzocrea

15:45 – 16:15 coffee break

16:15 – 18:00 **Workshop on Mining Complex and Stream Data (MCSD 2012)**

Collective Classification Techniques: an Experimental Study

Tomasz Kajdanowicz, Przemysław Kazienko, Marcin Janczak

Adapting Travel Time Estimates to Current Traffic Conditions

Przemysław Gaweł, Krzysztof Dembczyński, Robert Susmaga, Przemysław Wesolek, Piotr Zielniewicz, Andrzej Jaszkiwicz

DeltaDens - Incremental Algorithm for On-line Density-based Clustering

Radosław Z. Ziemiński

A Detection of the Most Influential Documents

Dariusz Ceglarek, Konstanty Haniewicz

18:00 – 20:00 Welcome reception

***** TRACK 2 ***** (room 126)

9:00 – 10:30 **International Workshop on Ontologies meet Advanced Information Systems (OAIS'2012)**

Introducing Artificial Neural Network in Ontologies Alignment Process

Warith Eddine Djeddi, Mohamed Tarek Khadir

Time integration in semantic trajectories using an ontological modelling approach

Rouaa Wannous, Jamal Malki, Alain Bouju, Cécile Vincent

WebOMSIE: An Ontology-based Multi Source web Information Extraction

Zineb Younsi, Mohamed Quafafou, Redouane Ouzegane, Abdelkamel Tari

10:30 – 11:00 coffee break

11:00 – 12:45 **ADBIS Workshop on GPUs in Databases (GID 2012)**

Applying CUDA technology in DCT-based method of query selectivity estimation

Dariusz Rafał Augustyn, Sebastian Zederowski

Processing of Range Query Using SIMD and GPU

Pavel Bednář, Petr Gajdoš, Michal Krátký, Peter Chovanec

Towards Optimization of Hybrid CPU/GPU Query Plans in Database Systems

Sebastian Breß, Eike Schallehn, Ingolf Geist

Thrust and CUDA in data intensive algorithms

Krzysztof Kaczmarski, Paweł Rządewski

12:45 – 14:15 lunch

14:15 – 15:45 **Second Workshop on Modeling Multi-commodity Trade: Data models and processing (MMT'12)**

Offers discovery and identifying user requirements for multi-commodity trade in open markets

Dominik Ryżko, Anna Wróblewska

Fair resource allocation in multi-commodity networks

Tomasz Śliwiński

Application of an Auction Algorithm in an Agent-based Power Balancing System

Piotr Pałka, Weronika Radziszewska, Zbigniew Nahorski

15:45 – 16:15 coffee break

16:15 – 18:00 **Second Workshop on Modeling Multi-commodity Trade: Data models and processing (MMT'12)**

Multi-commodity trade application to the routing algorithm for the delay and

disruptive tolerant networks

Piotr Pałka, Radosław Schoeneich

Bidding languages for continuous auctions

Mariusz Kaleta

Auction of time as a tool for solving multiagent scheduling problems

Piotr Modliński

18:00 – 20:00 Welcome reception

***** **TRACK 3** ***** (room 128)

9:00 – 10:30 **1st ADBIS Workshop on Social Data Processing (SDP'12)**

Heuristic approach to automatic wrapper generation for social media websites

Bartosz Baziński, Michał Brzezicki

Towards Effective Social Network Implementation

Jaroslav Škrabálek, Petr Kunc, Filip Nguyen, Tomáš Pitner

Modeling and Storing Complex Network with Graph-Tree

Adan Lucio Pereira, Ana Paula Appel

10:30 – 11:00 coffee break

11:00 – 12:45 **1st ADBIS Workshop on Social Data Processing (SDP'12)**

Exploiting Potential of the Professional Social Network Portal "SitIT"

Kamil Matoušek, Jiří Kubalík, Martin Nečeský, Peter Vojtáš

Evolution of Author's Profiles based on Analysis of DBLP Data

Martin Radvanský, Zdeněk Horák, Miloš Kudělka, Václav Snášel

Spectral Clustering: Left-Right-Oscillate Algorithm for Detecting Communities

Pavla Dráždilová, Jan Martinovič, Kateřina Slaninová

12:45 – 14:15 lunch

14:15 – 15:45 **1st ADBIS Workshop on Social and Algorithmic Issues in Business Support (SAIBS 2012)**

Community Traffic: A Technology for the Next Generation Car Navigation

Przemysław Gaweł, Krzysztof Dembczyński, Wojciech Kotłowski, Marek Kubiak, Robert Susmaga, Przemysław Wesolek, Piotr Zielniewicz, Andrzej Jaszkiwicz

Effectiveness Analysis of Promotional Features Used in Internet Auctions: Empirical Study

Adam Wojciechowski, Paweł Warczynski

Situational Requirement Method System: Knowledge Management in Business Support

Deepti Mishra, Secil Aydin, Alok Mishra

15:45 – 16:15 coffee break

18:00 – 20:00 Welcome reception

***** TRACK 4 ***** (room 125)

9:00 – 10:30

PhD Consortium Session I: Data Mining

Data mining approach to digital image processing in old painting restoration

Joanna Gancarczyk

Determining document's semantic orientation using kNN algorithm

Krzysztof Jędrzejewski, Maurycy Zamorski

Measuring the Importance of Actors in Social Network Based on Email Communication Patterns

Paweł Lubarski

10:30 – 11:00

coffee break

11:00 – 12:30

PhD Consortium Session II: Data Management

Data management for fingerprint recognition algorithm based on characteristic points' groups

Michał Szczepanik

OLAP Models for Sequential Data - Current State of Research and Open Problems

Łukasz Nienartowicz

Data Prefetching Based On Long-Term Periodic Access Patterns

Dmitri Vasilik

12:30 – 14:15

lunch break

14:15 – 15:45

PhD Consortium Session III: Data Architectures

Designing a Software Transactional Memory for Peer-to-Peer Systems

Aurel Paulovič

Traceability in software architecture decisions based on notes about documents

Gilberto Pedraza-Garcia

E-ETL: Framework For Managing Evolving ETL Processes

Artur Wojciechowski

15:45 – 16:15

coffee break

16:15 – 17:15

PhD Consortium Session IV: Panel discussion

18:00 – 20:00

Welcome reception

Tuesday 18.09.2012

15:45 – 18:00

PhD Consortium Poster Session