

**International Conferences on
Intelligent Systems and Agents (ISA),
Theory and Practice in Modern Computing (TPMC) &
European Conference on Data Mining (DM)
2015**

CONFERENCE PROGRAM

Wednesday 22nd, July 2015

08:15-16:15 Welcome Desk

09:45-10:00 Session O – Opening Session
(Room 26)

OPENING SESSION

Profs. Ajith P. Abraham and Jörg Roth

10:00-11:00 Session KL1 – Keynote Presentation
(Room 26)

ISSUES AND CHALLENGES IN MINING LARGE DATA SETS

by Dr. Fatos Xhafa, Technical University of Catalonia, Spain

11:00-11:30 Coffee Break

11:30-13:00 Session FSP 22.1
Mobility Communication and Services
(Room 26)

Chair: Jörg Roth

PROTECTING ONLINE BANKING ON A SMARTPHONE WITH SIGNED TRANSACTION SUMMARIES (F023)

Peter Trommler

AN ENTERTAINMENT AR SYSTEM THAT MAKE AN ORIGINAL SPINNING TOP FOR KIDS (S020)

Hiroshi Suzuki, Hisashi Sato and Haruo Hayami

TASK ASSIGNMENT THROUGH INDOOR LOCATION WITH BLUETOOTH LOW ENERGY DEVICES (S036)

Néstor Álvarez-Díaz, Pino Caballero-Gil and

Francisco Martín-Fernández

CROSS-SECTORAL ANALYSIS USING MOBILE COMMUNICATION TRACES (S022)

Sonja Filiposka, Emilija Velichkovska, Vasko Popovski and Igor Mishkovski

13:00 – 14:30 Lunch Break

14:30-16:05 Session FSRP 22.2
Intelligent Software Systems
(Room 26)

Chair: Keshav Dahal

BUSINESS PROCESS ANALYSIS FOR MOBILE@OLD (F057)

Irina Mocanu, Lucia Rusu and Dan Andrei Sitar-Taut

A SYNTHETIC AND COMPUTATIONAL LANGUAGE MODEL FOR INTERACTIVE DIALOGUE SYSTEM (F042)

Zhao Han, Fuji Ren and Duoqian Miao

AN AUTOMATED FLEXIBLE FIXTURE SYSTEM FOR MASS CUSTOMIZATION (S030)

Andrew Illidge, Glen Bright and Anthony Walker

COLLABORATIVE HUMAN-LIKE MULTI AGENT SYSTEMS: AN OVERVIEW (R055)

Mara Pudane and Egons Lavendelis

Thursday 23rd, July 2015

08:30-15:45 Welcome Desk

09:30-11:00 Session FP 23.1

Intelligent Systems // Security, Privacy and Trust (Room 26)

Chair: Glen Bright

A PDDL-BASED SIMULATION SYSTEM (F039)

Cristóbal Tapia, Pablo San Segundo and Jorge Artieda

ADAPTIVE PICK AND PLACE APPROACH USING ROS FRAMEWORK (F056)

Pedro Tavares, José Lima, Pedro Costa and António Paulo Moreira

PROBABILISTIC TRUST MONITORING MODEL FOR MOBILE AD HOC NETWORKS (F037)

Antesar M. Shabut and Keshav Dahal

11:00-11:30 Coffee Break

11:30-13:00 Session FP 23.2

Web Mining

(Room 26)

Chair: Ajith Abraham

RSR : RELATED SEARCH RECOMMENDATION WITH USER FEEDBACK SESSION (F021)

Sejal Desai, Vinuth Chandrasheker, Vijay Mathapati,

Venugopal K. Rajuks, Sundaraja S. Iyengar and Lalit M. Patnaik

A TOOL SUPPORTING MINING BASED APPROACH SELECTION TO AUTOMATIC ONTOLOGY CONSTRUCTION (F025)

Agnieszka Konys

COMPARATIVE ANALYSIS OF CLUSTERING ALGORITHMS WITHIN A WEB-BASED LMS (F054)

Kyle E. de Freitas and Margaret Bernard

13:00 – 14:30 Lunch Break

14:30-15:20 Session FSP 23.3

Industrial Applications // Interoperability (Room 26)

Chair: Jörg Roth

APPLYING SET PARTITIONING METHODS IN THE CONSTRUCTION OF OPERATING THEATRE SCHEDULES (F013)

Elizabeth Rowse, Rhyd Lewis, Paul Harper, and Jonathan Thompson

TOWARDS AN INTEROPERABLE ADAPTIVE TUTORING AGENT FOR SIMULATIONS AND SERIOUS GAMES (S032)

Alexander Streicher and Wolfgang Roller

14:30-15:30 (Room 22)

H2020 EUROPEAN UNION RESEARCH PROJECTS

15:45 – Conference Tour and Dinner

Friday 24th, July 2015

08:30-13:30 Welcome Desk

09:00-11:00 Session FSP 24.1

Data Mining Applications

(Room 26)

Chair: *Agnieszka Konys*

A HADOOP-BASED DATA PROCESSING PLATFORM FOR FRESH AGRO-PRODUCTS TRACEABILITY (F034)

Mark Xu, Sajid Siraj and Lin Qi

PROFIT-BASED ARTIFICIAL NEURAL NETWORK (ANN) TRAINED BY MIGRATING BIRDS OPTIMIZATION: A CASE STUDY IN CREDIT CARD FRAUD DETECTION (F058)

Ashkan Zakaryazad, Ekrem Duman and Azamat Kibekbaev

PREDICTING CUSTOMER ATTRITION WITH MARKOV CHAIN (S068)

Krzysztof Dzieciolowski

A GENETIC RULE LEARNING APPROACH TO DEAL WITH IMBALANCED DATASETS (S029)

Aouatef Mahani, Sadjia Benkhider and Ahmed Riadh Baba-Ali

AUTOMATIC REGRESSION AND CLASSIFICATION MODELING USING SEQUENTIAL SAMPLING (P055)

Ivo Couckuyt, Joachim van der Herten, Dirk Deschrijver and Tom Dhaene

COMPARATIVE STUDY OF FEATURE SELECTION METHODS TO ANALYZE PERFORMANCE OF LUNG CANCER DATA (P036)

Emel Koc and A. Nevra Ozer

09:50-11:00 Session FSP 24.2

Design Foundations

(Room 24)

Chair: *Jörg Roth*

REAL-TIME PHYSICALLY BASED SOUND SIMULATION (F027)

Bram Eisenhardt and Jacco Bikker

IMPROVING RELATIONAL DATA MODELLING THROUGH LEARNING FROM ERRORS (S015)

Adi Katz and Ronit Shmalo

STONE MONUMENT TEXT IMAGE DATABASE (S024)

Hideyuki Uesugi, Masayuki Uesugi and Takanao Inaguma

11:00-11:30 Coffee Break

11:30-12:40 Session FSP 24.3

Agents

(Room 26)

Chair: *Dan Andrei Sitar-Taut*

COORDINATING ENERGY ALLOCATION AND PROCESS PERFORMANCE USING AN AGENT-BASED APPROACH (F033)

Aisha Umair, Anders Clausen and Bo Nørregaard Jørgensen

ARISCO: A COMPONENT-ORIENTED AGENT-BASED MODELING SIMULATION ENVIRONMENT (S036)

Shinobu Izumi, Motoya Koga and Katsuhiko Morishita

PROCESSING OF STRUCTURED PHYSICAL KNOWLEDGE IN THE FORM OF PHYSICAL EFFECTS (S041)

Dmitriy M. Korobkin, Sergey A. Fomenkov, Sergey G. Kolesnikov,

Alexey V. Kizim and Valeriy A. Kamaev

12:40 Best Paper Awards Ceremony and Closing Session

(Room 26)

Profs. Ajith P. Abraham and Jörg Roth