

**IADIS International Conferences**  
**PRELIMINARY PROGRAM**  
**Informatics –WAC - TNS 2010**

**Monday 26<sup>th</sup>, July 2010**

**08:30-17:00 Welcome Desk**

**09:45-10:00 Session O – Opening Session  
(Room 1016)**

**OPENING SESSION**

*Prof. Pedro Isaías, Prof. Hans Weghorn and Prof. Jörg Roth*

**10:00-11:00 Session KL1 – Keynote Presentation  
(Room 1016)**

**SELECTED SECURITY- AND DEPENDABILITY SOLUTIONS FOR UPLINK- AND DOWNLINK TRAFFIC IN WIRELESS SENSOR NETWORKS**

*Prof. Dirk Westhoff, Hamburg University of Applied Sciences, Germany*

**11:00-11:30 Coffee Break**

**11:30-13:10 Session FSP 26.1  
Standards and network interoperability issues // Network Performance Analysis and Evaluation // Other  
(Room 1016)**

**ATTRIBUTES AND DYNAMIC DEVELOPMENT PHASES OF INFORMAL ICT STANDARDS CONSORTIA (F040)**

*Tim Pohlmann*

**DELAY ANALYSIS OF IEEE 802.11 MAC ACCESS PROTOCOL BASED ON M/G/1 (F030)**

*Gonzalo Arroyo and Walter Grote*

**APPLICATION OF MARKOV CHAIN TO PREDICT FAULTS FROM REAL TIME ALARM DATA (S026)**

*Ahmad Kazmi*

**11:30-13:00 Session FSP 26.2  
Scientific computing // Multimedia // Other  
(Room 1142)**

**EFFICIENT BINNING OF PHOTOGRAPHS (F033)**

*Thilo Bauer*

**IMPLEMENTATION OF FRACTAL IMAGE CODING ALGORITHM FOR GPGPU SYSTEMS USING CUDA (S025)**

*Akiyoshi Wakatani*

**METHOD FOR THE EXTRACTION OF PRINT-PROCESS ERROR SIGNALS FROM MATRIX CODES AND ITS APPLICATION IN SECURITY PRINTING (S044)**

*Stoyan Maeshliyski, Reinhold Günter and Slavi Bonev*

**A 2D FRACTIONALLY SPACED OUTPUT DFE FOR ANTI-COUNTERFEITING APPLICATIONS OF PRINTED MATRIX CODES (S047)**

*Reinhold Günter, Stoyan Maeshliyski and Slavtcho Bonev*

**13:00-14:30 Lunch Break**

**14:30-16:40 Session FSP 26.3**

**Performance and Simulation Aspects of Wireless Networks // Location-based Applications and Services  
(Room 1016)**

**NEW SERVICE SELECTION STRATEGIES FOR THE SERVICE DISTRIBUTION PROTOCOL FOR MANETS (F038)**

*Mohamed Hamdy and Birgitta König-Ries*

**MODELLING AND ENFORCEMENT OF LOCATION CONSTRAINTS IN AN AGRICULTURAL APPLICATION SCENARIO (F026)**

*Michael Decker, Daniel Eichhorn, Emanuel Georgiew, Andreas Oberweis, Johannes Plaßmann, Thilo Steckel and Peter Stürzel*  
**APPLICATIONS FOR SOCIAL SITUATION MODELS (F024)**  
*Georg Groh, Alexander Lehmann, Tianyu Wang, Stefan Huber and Felix Hammerl*

**A METHODOLOGY FOR IMPROVING INQUIRY TIME IN BLUETOOTH DEVICES (S020)**

*D. Gutiérrez Reina, J. M. Hinojo, F. Cortés, S. L. Toral, F. Barrero and E. Marsal*

**NEW TRAFFIC INFORMATION SYSTEM BASED ON MEANS OF TRANSPORTATION CLASSIFICATION (S027)**

*Theresa Nick, Jan Geldmacher, Jürgen Götze and Edmund Coersmeier*

**20:00 Conference Dinner**

**Tuesday 27<sup>th</sup>, July 2010**

**08:30-17:00 Welcome Desk**

**09:25-11:00 Session FSRP 27.1  
Performance and Simulation Aspects of Wireless Networks // Mobile Computing Software Architectures // Other  
(Room 1016)**

**IMPACT OF HETEROGENEOUS MOBILITY MODELS ON THE SERVICE DISTRIBUTION PROTOCOL FOR MANETS (F032)**

*Mohamed Hamdy and Birgitta König-Ries*

**TUNING WIMAX FOR MULTI-CONNECTION VIDEO STREAMING (F022)**

*Salah Saleh Al-Majeed, Martin Fleury and Uma Mohan*

**ACTIVE RADIO FREQUENCY ENERGY HARVESTING IN WIRELESS MESH NETWORKS (S031)**

*Zuowen Tang and Chris Guy*

**EXPLAINED SECURITY POLICIES FOR MANAGING PER-PROGRAM ACCESS CONTROL ON MOBILE DEVICES (R021)**

*Peter Trommler*

**11:00-11:30 Coffee Break**

11:30-13:15 Session FSRP 27.2  
Ontologies // Natural language processing // Other  
(Room 1016)

**COLLABORATIVE ONTOLOGY SHARING AND EDITING (F040)**

*Philippe Martin*

**A SEMANTIC-BASED APPROACH FOR ALIGNING OCCUPATIONAL AND EDUCATIONAL QUALIFICATIONS IN THE EQF PERSPECTIVE (F045)**

*Valentina Gatteschi, Fabrizio Lamberti, Andrea Sanna and Claudio Demartini*

**A SEMANTIC CENTRALITY MEASURE FOR FINDING THE MOST TRUSTWORTHY ACCOUNT (F027)**

*Myriam C. Traub, Maarten H. Lamers and Wilhelm Walter*

**THE DEVELOPMENT OF LESSON PLANNING SYSTEM BASED ON CASE BASED REASONING (CBR) CONCEPT: THE METHODOLOGY (R026)**

*Aslina Saad, Paul W.H. Chung and Christian Dawson*

13:00-14:30 Lunch Break

14:30-15:30 Session KL2 – Keynote Presentation  
(Room 1016)

**WEB TRENDS – BETWEEN SEMANTIC, LOSS OF PRIVACY AND PERSONALIZATION**

*Dr. Sven Rizotti, University of Basel, Switzerland*

15:30-16:30 Session Poster Session  
(Room 1016)

**A NEW TOPOLOGY-TRANSPARENT SCHEDULING FOR MANET WITH VARIABLE NETWORK SIZE (S039)**

*King-Sun Chan and Halit Eren*

**AN EXPLORATORY EYE TRACKING STUDY OF VISUAL ATTENTION ON ARABIC WEB ADVERTS AND BANNERS (P050)**

*Reem Al-Salloom, Weaam Al-Rashid and Buthainah Al-Dosary*

**VISUAL ATTENTION ON SEARCH ENGINE RESULTS: INFORMATION RETRIEVAL OF ARABIC WEB CONTENT (P051)**

*Weaam Al-Rashid, Buthainah Al-Dosary and Reem Al-Salloom*

**REAL-WORLD INFORMATION PRESENTING FOR MOBILE USERS IN URBAN SCALE SENSOR NETWORKS (P046)**

*Hiroki Saito and Kazumasa Ogawa*

**AN INTEGRATED ADAPTER ARCHITECTURE BASED ON RFID AND SENSOR NETWORKS FOR UBIQUITOUS SERVICES (P051)**

*DoHyeun Kim and Kyoungbo Moon*

**ADVANCED KEY DISTRIBUTION CENTER ALGORITHM (AKDC) (P027)**

*Hussam Hussein Abuazab, Adel Omar Dahmane and Habib Haman*

**A NEW OBFUSCATION METHOD USING RANDOM FUNCTIONS (P038)**

*Yu Yuan Wei (Engyoku Gi) and Kazuo Ohzeki*

**SOME OBSERVATIONS ON DNS CACHE INFLUENCES ON REQUEST REDIRECTION IN DYNAMIC CDN (P052)**

*Yuko Kamiya, Fuminori Tanizaki, Toshihiko Shimokawa, Yuta Miyauchi and Norihiko Yoshida*

**Wednesday 28<sup>th</sup> July 2010**

08:30-14:00 Welcome Desk

09:20-11:00 Session SP 28.1

Algorithms // Software engineering // Other  
(Room 1139)

**EXPERIMENTAL RESULTS ON ALGORITHMS FOR MULTIPLE KEYWORD MATCHING (S042)**

*Charalampos S. Kouzinopoulos and Konstantinos G. Margaritis*  
**INTELLISENSE SENTINEL – AN INTELLIGENT & SMART HYBRID APPROACH TOWARDS HUMAN DETECTION AND TRACKING (S049)**

*Khubaib Ahmed Qureshi and Muhammad Kashif Khan*  
**UBIQUITOUS TECHNOLOGIES AND SOFTWARE EVOLUTION: A BUSINESS LOGIC PERSPECTIVE (S016)**

*Mohammed Alawairdhi, Eisa Aleisa and Hongji Yang*  
**DEFECT MANAGEMENT PROCESS IMPROVEMENT PROPOSAL (S029)**

*Piotr Zabawa*

**PROPOSAL OF FILTERING METHOD BASED ON MEDIATOR'S DIVERSITY (S052)**

*Ryosuke Saga, Kouki Okamoto, Hiroshi Tsuji and Kazunori Matsumoto*

11:00-11:30 Coffee Break

11:30-12:55 Session FRP 28.2

Mobile computing, mobile networks, and mobile agents // Networking: architectures, services, routing, and applications  
(Room 1139)

**A KNOWLEDGE PLANE FOR MOBILITY MANAGEMENT IN INTERNET OF THINGS CONNECTED BY RADIO (F041)**

*Meriem Abid, Atiq Ahmed, Leila Merghem-Boulahia, Moez Esseghir, Daniel Fernandes Macedo, Meriem Kassar and Brigitte Kervella*

**EXPERIENCE OF DCN DEPLOYMENT ON KOREN (S055)**

*Wang-Cheol Song*

**ON PERFORMING SPEECH STEGANALYSIS USING SPEECH RECOGNITION AND PERCEPTUAL CRITERIA (S059)**

*Siwar Rekik, Driss Guerchi, Sid-Ahmed Selouani and Habib Hamam*

**EVOLUTION OF COMMUNITY BASED ROUTING IN DELAY TOLERANT NETWORKS (R018)**

*R. J. D'Souza, G. Varaprasad, Johnny Jose and Manoj R.*

13:15 Best Paper Awards Ceremony and Closing Session  
(Room 1139)

*Prof. Pedro Isaias, Prof. Hans Weghorn and Prof. Jörg Roth*

Notes:

Room 1016 – Ground Floor

Rooms 1139 and 1142 – 1st Floor