

ISAT 2010

31TH INTERNATIONAL CONFERENCE INFORMATION SYSTEMS ARCHITECTURE AND TECHNOLOGY
SZKLARSKA PORĘBA, POLAND, 19 – 21 September 2010

CONFERENCE SCHEDULE AND PROGRAM

SUNDAY – 19th SEPTEMBER 2010

14:30 – 16:30	Registration
17:00 – 17:15	Opening of the Conference Room A
17:15 – 19:45	Plenary workshop ISAT 2010 - Chair: prof. Edward Szczerbicki Room A
20:00 – 21:00	Supper

MONDAY – 20th SEPTEMBER 2010

7:45 – 8:45	Breakfast
8:00 – 8:50	Registration

9:05 – 10:50 PART I Chairs: Z. Wilimowska, L. Borzemski, A. Grzech

	Room C Session C1	Room D Session D1	Room E Session E1
9:05 – 9:20	Cesar Sanin, Leonardo Mancilla-Amaya, Zhang Haoxi, Edward Szczerbicki TOWARDS A SOFTWARE PLATFORM FOR EXPERIENCE ADMINISTRATION: DECISIONAL DNA MANAGER	Donato Sciarra QUALITY EVALUATION OF WEB MASHUP	Dariusz Caban, Tomasz Walkowiak DEPENDABILITY ORIENTED RECONFIGURATION OF SOA SYSTEMS
9:20 – 9:35	Martin Sarnovsky, Karol Furdik, Martin Tomasek, APPLICATION OF KNOWLEDGE MANAGEMENT AND SEMANTIC TECHNOLOGIES IN IT SERVICE MANAGEMENT	Tomasz Lepiorz, Anna Zatwarnicka CLOUD COMPUTING – NEW STYLE IN BUILDING BUSINESS SYSTEMS	Krzysztof Juszczyzyn, Pawel Stelmach, Tomasz Grzelak A METHOD FOR THE COMPOSITION OF SEMANTICALLY DESCRIBED WEB SERVICES
9:35 – 9:50	Zofia Łapniewska, Edward Szczerbicki KNOWLEDGE BASED FACTORS DETERMINING THE DEVELOPMENT OF NON-GOVERNMENTAL ORGANIZATIONS	Grażyna Paliwoda-Pękosz AN EVALUATION OF WEB-BASED SEMANTIC RELATEDNESS MEASURES ON POLISH DATA SETS	Krzysztof Brzostowski, Jakub M. Tomczak, Marcin Nikliborc A ROUGH SET-BASED ALGORITHM TO MATCH SERVICES DESCRIBED BY FUNCTIONAL AND NON-FUNCTIONAL FEATURES
9:50 – 10:05	Anna Dobrowolska, Wiesław Dobrowolski QUALITY DIMENSIONS IN THE MANAGEMENT PROCESS OF THE INFORMATION SERVICES	Anna Zatwarnicka, Krzysztof Zatwarnicki METHOD OF PARAMETERS SELECTION FOR FUZZY-NEURAL SYSTEM PROVIDED GLOBAL HTTP REQUEST DISTRIBUTION	Krzysztof Juszczyzyn, Wojciech Frys SOCIAL NETWORK-BASED ANALYSIS OF USER ACTIVITY IN SERVICE ORIENTED ARCHITECTURES
10:05 – 10:20	Leonardo Mancilla-Amaya, Cesar Sanin, Edward Szczerbicki IMPLEMENTING KNOWLEDGE-BASED VIRTUAL ORGANIZATIONS FOR THE E-DECISIONAL COMMUNITY	Grzegorz Kotowski, Dariusz Gąsior ADAPTIVE FUZZY PREDICTOR FOR WEB SERVER RESOURCE OBTAINING TIME ANTICIPATION	Paweł Borkowski, Daniel Czajka, Tomasz Masternak, Tomasz Szydło LOCATION-BASED SERVICE SELECTION AND REQUEST PROCESSING FOR MOBILE CLIENTS IN SOA SYSTEMS
10:20 – 10:35	Bartosz Kucharski, Edward Szczerbicki KNOWLEDGE MANAGEMENT – DECISION SUPPORT IN A WORKFLOW SYSTEM	Katarzyna Michalska, Tomasz Walkowiak FAULT MODELLING IN SERVICE-BASED ORIENTED INFORMATION SYSTEMS	Aleksander Mariański, Agnieszka Prusiewicz, Maciej Zięba THE FRAMEWORK OF THE SOA BASED SYSTEM FOR SERVICES ACCESS MANAGEMENT
10:35 – 10:50	Krzysztof Brzostowski, Aleksander Mariański, Jerzy Świątek AN ALGORITHM TO COMPANY'S BRANCH CLASSIFICATION		Jan Kwiatkowski, Taras Lukaniuk AUTOMATIC PROGRAM TRANSFORMATION FOR CELL BE PROCESSOR
10:50 – 11:20	Coffee Break		

11:20 – 12:50 PART II Chairs: J. Kwiatkowski, M. Fraś, J. Świątek

	Room C Session C2	Room D Session D2	Room E Session E2
11:20 – 11:35	Karol Król EVOLUTION OF MODERN INTERNET ADVERTISING, OR PRACTICAL IMPLEMENTATION OF A COMPLEX DATA-DRIVEN SYSTEM FOR GATHERING AND ANALYZING MULTIPLE STREAMS OF INCOMING	Seweryn Jagusiak, Dawid Gawor, Robert Mikoda, Dariusz Węgiel Grzegorz Kołaczek SNIFTER ARCHITECTURE FOR SECURITY LEVEL MEASUREMENT IN SERVICE ORIENTED SYSTEMS	Łukasz Chomątek MULTIAGENT APPROACH FOR BUILDING HIGHWAY HIERARCHIES GRAPH
11:35 – 11:50	Peter Butka, Tomáš Sabol, Karol Furdik, Marián Mach ICT-BASED SUPPORT FOR POLICY MODELLING IN OCOPOMO PROJECT	Tomasz Biłski BANDWIDTH VS THROUGHPUT IN COMPUTER NETWORKS	Jacek Rzucidło, Konrad Kułakowski EXPLORER - THE ROBUST SEARCH ROBOT
11:50 – 12:05	Cezary Orłowski, Artur Ziółkowski, Łukasz Szczygielski IMPLEMENTING CHANGE MANAGEMENT PROCESSES IN AN ENTERPRISE	Tadeusz Babczyński, Agata Brzozowska PERFORMANCE EVALUATION OF REAL DISTRIBUTED SYSTEMS IN SIMULATED NETWORKS	Bassam Daya, Shadi Khawandi, Pierre Chauvet A NEURAL NETWORK SYSTEM FOR INVERSE KINEMATICS PROBLEM IN 3D OF ROBOTICS
12:05 – 12:20	Przemysław Kacprzak, Mariusz Kaleta, Piotr Pałka, Kamil Smolira, Eugeniusz Toczyłowski, Tomasz Traczyk NOTATION METHODS FOR LARGE VOLUME REGULAR DATA IN COMPLEX ELECTRONIC TRADE	Michał Brzeziński-Spiczak, Ziemowit Nowak SPEED-UP TECHNIQUES FOR ROUTE SEARCH IN WEB GEOGRAPHIC INFORMATION SYSTEMS	Aleksander Kniat STRUCTURES FOR PARAMETERIZATION, MESHING AND DATA EXCHANGE OF TOPOLOGICALLY RELATED SURFACES OF A SHIP HULL
12:20 – 12:35	Anna Derezińska PASSENGER-SYSTEM INTERACTION IN PERSONAL RAPID TRANSIT SYSTEM	Krzysztof Ryk A FRAMEWORK FOR KNOWLEDGE VISUALIZATION BASED ON KOHONEN'S SEMANTIC MAP	Adam Sudoł, Sławomir Stemplewski, Viktor Vlasenko HYBRID TRANSFORMS APPLICATIONS FOR OBJECTS AND TEXTURES IDENTIFICATION: MDHO BASED IIT COMPARATIVE STUDIES
12:35 – 12:50	Witold Rekuć Leopold Szczurowski BUSINESS MOTIVATION MODEL FOR SERVICE ORIENTED EDUCATIONAL SYSTEM	Dariusz Banasiak, Jarosław Mierzwa, Antoni Sterna ACQUISITION OF KNOWLEDGE PIECES FROM NATURAL LANGUAGE TEXTS IN INTELLIGENT INFORMATION SYSTEM	Adam Sudoł, Sławomir Stemplewski, Nataliya Vlasenko, Viktor Vlasenko IDENTIFICATION BASED ON OBJECTS' GENERALIZED 2D PHASE IMAGES CORRELATION ALGORITHMS: MDHO IIT HOES DESIGN AND
13:00 – 14:00	Lunch		

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14:20 – 15:50				PART III		Chairs: J. Świątek, W. Vlasenko, J. Sosnowski	
Room C Session C3		Room D Session D3		Room E Session E3			
14:20 – 14:35	Krzysztof Bielawski, Joanna Jończyk THE ROLE OF INFORMATION IN HEALTH CARE MANAGEMENT - AN ATTEMPT TO DETERMINING THE CONCEPT MODEL OF E-HEALTH IN PODLASIE	Agnieszka Prusiewicz, Maciej Zięba THE PROPOSAL OF A COMPLEX SERVICE FOR USER PROFILE MANAGEMENT IN SOA BASED SYSTEM	Kazimierz Choroś, Damian Fijałkowski DETECTION OF FACES IN TENNIS VIDEO SCENES OF TV SPORTS NEWS				
14:35 – 14:50	Cezary Orłowski, Artur Ziółkowski, Paweł Madej MODELS OF INFORMATION SYSTEMS INTEGRATION IN COMPANIES	Paweł Kaczmarek, Marek Downar ITEROPERABILITY ANALYSIS OF SENSOR INTERFACE IN UBIQUITOUS ENVIRONMENTS	Seweryn Jagusiak, Krzysztof Brzostowski, Jerzy Świątek ON-LINE ALGORITHM TO CLASSIFY SINGLE CHARACTERS				
14:50 – 15:05	Joanna Szczepańska MONTE CARLO SIMULATION IN INVESTMENT PROFITABILITY CALCULATION	Łukasz Wiśniewski, Leszek Borzemski, Juergen Jasperneite A NEW SCHEDULING WIRELESS COMMUNICATION MECHANISM IN CELLULAR SYSTEMS BASED ON GENETIC APPROACH	Haoxi Zhang, Cesar Sanin, Edward Szczerbicki TESTING THE USABILITY OF DECISIONAL DNA IN ROBOTICS				
15:05 – 15:20	Bożena Mielczarek, Jacek Zabawa SIMULATION MODELING IN INVESTMENTS DECISIONS	Bartłomiej Zieliński EFFICIENCY ANALYSIS OF IEEE 802.11 PROTOCOL WITH BLOCK ACKNOWLEDGE	Jacek Mazurkiewicz HAMMING AND KOHONEN NEURAL NETWORKS REALIZED USING SYSTOLIC ARRAY APPROACH				
15:20 – 15:35	Piotr Nowak Maciej Romaniuk ON ANALYSIS AND PRICING OF INTEGRATED MULTILAYER INSURANCE PORTFOLIO	Michał Pleszkun, Leszek Koszałka, Iwona Pozniak-Koszałka TASK ALLOCATION WITHIN MESH STRUCTURED NETWORK: AN EXPERIMENTATION SYSTEM AND COMPARISON OF ALGORITHMS	Kamil Kompa IMPLEMENTATION OF THE ARTIFICIAL NEURAL NETWORK COMPUTATIONS ACCELERATOR IN THE FPGA				
15:35 – 15:50	Adriana Halikowska, Daniel Halikowski VALUE AT RISK AS AN EFFECTIVE TOOL TO MANAGE INVESTOR RISK	Aneta Poniszewska-Maranda AGENT APPROACH FOR ACCESS CONTROL IN DISTRIBUTED INFORMATION SYSTEMS	Mateusz Gorczyca, Adam Janiak, Maciej Lichtenstein SINGLE PROCESSOR SCHEDULING PROBLEM WITH VARIABLE SPEED OF PROCESSING AND THE MAKESPAN CRITERION – COMPUTATIONAL COMPLEXITY				
15:50 – 16:20	Coffee break						
16:20 – 17:50		PART IV		Chairs: A. Grzech, W. Rekuć, B. Mielczarek			
Room C Session C4		Room D Session D4		Room E Session E4			
16:20 – 16:35	Aleksander Orłowski, Edward Szczerbicki POLISH INTERNET MORTGAGE MARKET: TOWARDS FULLY DEVELOPED FUZZY MODEL	Krzysztof Zatwarnicki, Anna Zatwarnicka, Rafał Gasz, Łukasz Grzesik SLOW START ALGORITHM INFLUENCE ON EFFECTIVE THROUGHPUT IN THE INTERNET	Dariusz Gąsior, Donat Orski NON-PROBABILISTIC APPROACH TO ALLOCATION PROBLEM WITH UNCERTAINTY IN THE OBJECTIVE FUNCTION AND CONSTRAINTS				
16:35 – 16:50	Irem Uçal, Dorota Kuchta USING PROBABILISTIC AND FUZZY MODELS FOR THE SELECTION OF INFORMATION TECHNOLOGY INVESTMENTS	Maciej Drwal, Leszek Borzemski THE INFLUENCE OF HEAVY TAILS ON OVERLAY NETWORKS FLOW CONTROL	Sylwester Kaczmarek, Magdalena Młynarczuk, Mateusz Waldman THE REALIZATION OF ASON/GMPLS CONTROL PLANE				
16:50 – 17:05	Zofia Wilimowska, Anna Kityk APPLICATION OF MULTI-STAGE MODEL FOR SELECTION OF A SHORT-TERM STOCK PORTFOLIO USING THE DMA METHOD	Mariusz Głabowski, Maciej Sobieraj, Maciej Stasiak ANALYTICAL MODEL OF LIMITED-AVAILABILITY GROUP WITH MULTI-SERVICE SOURCES	Ilona Bluemke, Rafał Roguski SOFTWARE ASSESSMENT USING OBJECT METRICS				
17:05 – 17:20	Maciej Zięba, Marek Lubicz PERFORMANCE OF CLASSIFIERS FOR MISSING DATA IN THORACIC SURGERY RISK MODELLING USING WEKA-BASED DATA MINING APPROACHES	Krzysztof Stachowiak, Piotr Zwierzykowski, Maciej Piechowiak THE EFFECTIVENESS OF MULTICAST TREES WITH DELAY CONSTRAINTS	Łukasz Radliński BUILDING BAYESIAN NETS FOR SOFTWARE DEFECT PREDICTION - A COMPARISON OF MANUAL, SEMI- AND FULLY-AUTOMATED SCHEMES				
17:20 – 17:35	Karol Król COMBINING SCRUM WITH GTD – MODERN METHODS OF PROJECT MANAGEMENT AND WORK-TIME MANAGEMENT	Bartosz Musznicki, Piotr Zwierzykowski THE FACTORS INFLUENCING ENERGY EFFICIENCY OF FLOODING ALGORITHMS FOR WIRELESS SENSOR NETWORKS	Michał Mosdorf, Konrad Grochowski, Piotr Gawkowski, Janusz Sosnowski SIMULATING FAULTS IN COMPUTER SYSTEMS				
17:35 – 17:50	Jitka Kreslíková, Jana Sedláčková, SECURITY FACTORS IN EFFORT ESTIMATION	Artur Sierzeń, Łukasz Sturgulewski DIFFUSE NETWORK BEHAVIOR ANALYSIS SYSTEMS WITH THE USE OF PATTERN RECOGNITION METHODS	Marek Zachara, Dariusz Pałka, Lidia Dutkiewicz, Katarzyna Grobler AUTOMATIC DETECTION AND SEPARATION OF WEB SERVICES TEMPLATE				
17:50 – 18:00		Karol Marchwicki CHORD NETWORK EVOLUTION.THE CONNECTIVITY PROBLEM					
20:00 – 24:00	Conference Dinner						

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8:00 – 9:00				Breakfast			
9:05 – 11:20		PART V		Chairs: Z. Wilimowska, K. Choroś, E. Szczerbicki			
Room C Session C5		Room D Session D5		Room E Session E5			
9:05 – 9:20	Iwona Dubielewicz, Bogumiła Hnatkowska BEST PRACTICES IN STUDENTS TEAM PROJECTS	Rafał Kern, Marcin Pietranik SEMANTIC DATA INTEGRATION IN FEDERATED DATA WAREHOUSES	Artur Sierszeń, Łukasz Sturgulewski IMPLEMENTATION OF IPS&IDS TECHNOLOGY IN DEVICES EMULATED WITH GNS3 ENVIRONMENT				
9:20 – 9:35	Marcin Relich TIME ESTIMATION OF PROJECT TASK WITH USING ARTIFICIAL INTELLIGENCE TECHNIQUES	Kazimierz Choroś STRATEGIES FOR CONTENT-BASED DIGITAL VIDEO INDEXING AND RETRIEVAL	Piotr Dela, Bartosz Biernacik INFORMATION MANAGEMENT IN COMMAND POST TELEINFORMATIC NETWORK				
9:35 – 9:50	Włodzimierz Dąbrowski, Andrzej Stasiak TEAM EXECUTION OF AN IT PROJECT: FROM IDEA - TO IMPLEMENTATION. TEAM WORK MANAGEMENT USING THE INTERNET	Adam Janiak, Andrzej Kozik, Bartosz Tomeczko ALGORITHMS FOR ENCODING RECTILINEAR OUTLINE CONSTRAINT IN SEQUENCE-PAIR REPRESENTATION FOR VLSI FLOORPLAN DESIGN	Maciej Grunt MEASURING COMPLEXITY OF SERVICE STRUCTURE IN SOA PARADIGM-BASED APPLICATIONS				
9:50 – 10:05	Eryk Szwarz, Robert Wójcik, Krzysztof Bzdrya COMPETENCIES AND PERSONALITY TRAITS IN TEAM PROJECT BUILDING	Mateusz Smoliński RIGOROUS HISTORY OF DISTRIBUTED TRANSACTION EXECUTION WITH SYSTOLIC ARRAY SUPPORT	Piotr Rygielski, Adam Grzech, Paweł Świątek QOS-AWARE SERVICES MIGRATION IN SERVICE ORIENTED SYSTEMS				
10:05 – 10:20	Zofia Wilimowska, Katarzyna Gwóźdź NON - FINANCIAL INVESTMENT PROFITABILITY RESEARCH	Anna Derezińska CLASSIFICATION OF ADVANCED MUTATION OPERATORS OF C# LANGUAGE	Jakub M. Tomczak, Krzysztof Brzostowski, Jerzy Świątek KNOWLEDGE EXTRACTION USING SHIFTING WINDOW FROM NON-STATIONARY DATASTREAMS				
10:20 – 10:35	Marek Janczura, Dorota Kuchta REACTIVE SCHEDULING WITH FUZZY ACTIVITY TIMES	Bogumiła Hnatkowska, Adam Klekotka COMPARISON OF THE MOST POPULAR TOOLS FOR DSL DEFINITION	Piotr Klukowski, Piotr Rygielski, Paweł Świątek SYSTEM FOR REMOTE MONITORING AND PROCESSING OF PATIENTS HEALTH PARAMETERS				
10:35 – 10:50		Łukasz Pobereźnik, Agnieszka Zielińska, Aleksander Byrski NEW CONCEPTS OF SOFTWARE TEST AUTOMATION IN HETEROGENEOUS PRODUCTION ENVIRONMENTS	Piotr Klukowski, Piotr Rygielski, Paweł Świątek SYSTEM FOR REMOTE MONITORING AND PROCESSING OF PATIENTS HEALTH PARAMETERS				
10:50 – 11:05		Andrzej Ratkowski, Andrzej Zalewski QUALITY METRICS OF COMPOSITE SERVICES IN SERVICE-ORIENTED ARCHITECTURE	Piotr Klukowski, Piotr Rygielski, Paweł Świątek SYSTEM FOR REMOTE MONITORING AND PROCESSING OF PATIENTS HEALTH PARAMETERS				
11:05 – 11:20							
11:30 – 12:00	Closing of the Conference Room A						
12:15 – 13:15				Lunch			