

# ISAT 2007

TWENTIETH-EIGHT INTERNATIONAL CONFERENCE  
 INFORMATION SYSTEMS ARCHITECTURE AND TECHNOLOGY  
 SZKLARSKA PORĘBA, POLAND  
 20 – 21 September 2007

## CONFERENCE SCHEDULE AND PROGRAM

### WEDNESDAY – 19th SEPTEMBER 2007

17:00 – 21:00	Registration
19:00 – 20:00	Supper

### THURSDAY – 20th SEPTEMBER 2007

7:45 – 8:45	Breakfast
8:00 – 8:45	Registration
8:45 – 8:55	Opening of the Conference Room A

9:05 – 10:50	<b>PART I</b>	Chairs: Z. Wilimowska, L. Borzowski, A. Grzech
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	Room A Session A1	Room B Session B1	Room C Session C1
9:05 – 9:20	P.Karpiński, C.Orłowski DECISION SUPPORT AND DIGITAL LIBRARIES IN ORGANIZATION TRANSFORMATION	L.Borzowski, A.Zatwarnicka, K.Zatwarnicki THE FRAMEWORK FOR DISTRIBUTED WEB SYSTEMS SIMULATION	M.Rusin METHODS OF KNOWLEDGE INTEGRATION IN HIERARCHICAL STRUCTURES
9:20 – 9:35	B.Kucharski, E.Szczerbicki CATCH AN INNOVATION	K.Zatwarnicki WEB OBJECTS CHARACTERISTICS	T.Tran, N.Nguyen AN INTEGRATION METHOD FOR LOGIC CLAUSES
9:35 – 9:50	B.Lent, M.Pińkowska HUMAN FACTOR - THE KEY SUCCESS FACTOR OF ICT PROJECT MANAGEMENT	M.Fraś, S.Woliński A STUDY ON INTERNET PATHS FOR INTERNET PERFORMANCE EVALUATION	I.Rejer AN APPROACH TO INTEGRATING RULE BASES IN A FUZZY EXPERT SYSTEM
9:50 – 10:05	M.Molasy, O.Shlegel, E.Shlegel, E.Spividonowa ECONOMIC INFORMATION SYSTEMS ON ENTERPRISE OF THE SERVICE	G.Kotowski, Z.Nowak INTERNET CACHING ARCHITECTURES	M.Koprowska THE METHODS OF OWL ONTOLOGIES MERGING
10:05 – 10:20	T.Łukasiewicz, A.Domaradzki, E.Radosiński CONSTRUCTION OF KNOWLEDGE BASED MARKETING DECISION SUPPORT SYSTEMS WITH USAGE OF ARTIFICIAL INTELLIGENCE	W.Gil ARCHITECTURE AND METHODS OF DATA CACHING DURING GENERATING DYNAMIC WEB CONTENT	C.Orłowski, A.Czarnecki POTENTIAL APPLICABILITY OF ONTOLOGIES FOR THE EVALUATION OF INFORMATION TECHNOLOGY
10:20 – 10:35	M.Feleniak THE METHODS OF PROJECT RISK MANAGEMENT AND THEIR UTILISATION IN PUBLIC PROJECT RISK MANAGEMENT	G.Suchacka PERFORMANCE METRICS OF THE E-COMMERCE WEB SERVICE	C.Orłowski, A.Ziółkowski CONCEPT OF THE AGENT SYSTEM FOR THE INFORMATION TECHNOLOGY EVALUATION
10:35 – 10:50	K.Brzostowski, M.Olejniczak, J.Świątek EFFICIENCY ANALYSIS OF SOME PATTERN RECOGNITION ALGORITHMS APPLIED FOR WINE CLASSIFICATION	J.Czajka SJF SCHEDULING IN WEB SERVERS	P.Kazienko, K.Musiał, A.Przybycin, A.Zgrzywa CONCEPTS AND APPLICATIONS OF SOCIAL NETWORK ANALYSIS IN TELECOMMUNICATION
10:50 – 11:20	Coffee Break		

11:20 – 12:50	<b>PART II</b>	Chairs: E. Szczerbicki, J. Sosnowski, M. Greniewski
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	Room A Session A2	Room B Session B2	Room C Session C2
11:20 – 11:35	W.Nichthausen, A.Szuwarzyński, E.Szczerbicki CREATION OF MANAGERS' COMPETENCES BASED ON THE CONTEST GLOBAL MANAGEMENT CHALLENGE - EUROMANAGER 2006	J.Sosnowski, P.Zygulski, P.Gawkowski DEVELOPING DATA WAREHOUSE FOR THE ANALYSIS OF FAULT EFFECTS IN COMPUTER SYSTEMS	M.Greniewski OBJECT ORIENTED ANALYSIS OF THE MRP II STANDARD SYSTEM
11:35 – 11:50	P.Pałka, P.Kacprzak, M.Kaleta, K.Smolira, E.Toczyłowski, T.Traczyk MODELING DISTRIBUTED MULTILATERAL MARKETS USING MULTI-COMMODITY MARKET MODEL	O.Unold, P.Niedźwiecki BANK DATA MINING USING SAS ENTERPRISE MINER	P.Świątek, P.Błaszczak, A.Krawczyński, M.Olejniczak EVALUATION OF DEFENCE STRATEGIES AGAINST SYNFFLOOD ATTACK
11:50 – 12:05	Z.Wilimowska, T.Krzysztozek VALUE DRIVERS IN MIXED METHODS OF COMPANY VALUATION	T.Kaczmarek, W.Abramowicz, D.Flejter ARCHITECTURES FOR DEEP WEB DATA EXTRACTION AND INTEGRATION	M.Szmit, R.Wężyk, M.Skowroński, A.Szmit TRAFFIC ANOMALY DETECTION WITH SNORT
12:05 – 12:20	Z.Wilimowska, T.Krzysztozek COMPUTER METHOD OF WEIGHTS SETTLEMENT IN MIXED METHODS OF COMPANY VALUATION	B.Trawiński, J.Gubernat THE INVESTIGATION OF FUNDAMENTAL FACTORS FOR BUILDING PERSONALIZED WEB SYSTEMS	K.Malinka, D.Cvrcek EFFECTS OF SOCIAL NETWORKS ON ANONYMITY SYSTEMS
12:20 – 12:35	J.Chabik, C.Orłowski KNOWLEDGE-BASED MODELS OF THE ORGANIZATION TRANSFORMATION	D.Zakrzewska ON USING OLAP MINING FOR FINDING WEB NAVIGATION PATTERNS	M.Elsner, G.Kołaczek A NEW WIRELESS LAN SECURITY LEVEL EVALUATION ALGORITHM
12:35 – 12:50	A.Dobrowolska, W.Dobrowolski COMPUTER SUPPORT OF QUALITY MANAGEMENT SYSTEMS - BUSINESS PROCESS MODELING TOOLS	M.Markowski, T.Przechlewski USER'S SATISFACTION WITH WEB-BASED IS: THE CASE OF RECRUITMENT PORTALS	B.Makowski, G.Kołaczek EVALUATION OF LINUX KERNEL SECURITY PATCHES
13:00 – 14:00	Lunch		

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### THURSDAY – 20th SEPTEMBER 2007

14:20 – 15:50		PART III	Chairs: J. Świątek, O. Shlegel, V. Vlasenko	
Room A Session A3		Room B Session B3	Room C Session C3	
14:20 – 14:35	A.Kapczyński, P.Kuźniacki, P.Kasprowski ANALYSIS OF KEYSTROKE BIOMETRICS IN DIFFERENT HARDWARE CONFIGURATIONS	A.Sobociński, M.Śmiatacz QUERYING THE DIGITAL DATABASE OF MUSICAL DOCUMENTS	V.Vlasenko, N.Vlasenko, D.Semenov, A.Sudo INFORMATION TECHNOLOGIES FOR DYNAMIC OBJECTS AND TEXTURES IDENTIFICATION BASED ON METHODS OF DIGITAL HILBERT OPTICS	
14:35 – 14:50	J.Sas ROLE AND TECHNIQUES OF HANDWRITTEN DOCUMENT RECOGNITION IN MODERN INFORMATION SYSTEMS	K.Choroś FUZZY MODEL OF A MULTIMEDIA RETRIEVAL SYSTEM AND MULTILEVEL QUERIES	B.Zieliński EFFICIENCY ESTIMATION OF AX.25 PROTOCOL	
14:50 – 15:05	K.Bielawski SPEECH ENHANCEMENT IN NOISY ENVIRONMENT	M.Żukowska THE MRDB CONCEPT IN THE CONTEXT OF POLISH GEOREFERENCE DATABASES, GIS AND AUTOMATIC CARTOGRAPHIC GENERALIZATION	K.Grochla THE ANALYSIS OF TRAFFIC SHAPING IN TCP CONNECTION IN LABORATORY NETWORK	
15:05 – 15:20	T.Dimitrova-Grekow A NEW APPROACH TO EMOTION RECOGNITION IN THE SPEECH	R.Michalski COMPARATIVE ANALYSIS OF SPREADSHEET INTERFACE SUBJECTIVE RATINGS	T.Szewczyk, P.Zwierzykowski EFFICIENCY OF IP MULTICAST TECHNOLOGY IN ISP NETWORKS	
15:20 – 15:35	K.Brzostowski, J.Świątek ON SELF-TUNING KNOWLEDGE-BASED CONTROLLER USING PATTERN RECOGNITION WITH APPLICATION TO NON-LINEAR BIOMEDICAL OBJECT	R.Michalski PERCEPTION OF A USER INTERFACE IN GRAPHICAL PROGRAMS	S.Góral, Z.Latała REVIEW OF SELECTED METHODS OF VIDEO STREAM ENCODING IN VIEW OF COMPRESSION PARAMETER SELECTION	
15:35 – 15:50	J.Drapała, J.Świątek COMPLEXITY ANALYSIS OF ALGORITHM OF RECURRENT MULTILAYER PERCEPTRON LEARNING FOR GLOBAL MODELING OF COMPLEX SYSTEMS	M.Fraś MHP - AN ENVIRONMENT FOR DIGITAL TV APPLICATIONS	T.Bartczak, P.Zwierzykowski VALIDATION OF A PIM DM IMPLEMENTATION IN THE NS2 SIMULATOR	
15:50 – 16:20	Coffee break			
16:20 – 17:50		PART IV	Chairs: D. Kuchta, M. Stabrowski, C. Orłowski	
Room A Session A4		Room B Session B4	Room C Session C4	
16:20 – 16:35	A.Kowalczyk, E.Szczerbicki STATISTICAL PROCESS CONTROL IN SOFTWARE PROJECT MANAGEMENT: A WAY TO TRANSFER SINGLE INCIDENT-RELATED KNOWLEDGE INTO ORGANIZATIONAL KNOWLEDGE	M.Stabrowski COMPUTATIONAL COMPLEXITY VS. REAL COMPUTATIONAL WORKLOAD	M.Krumnikl EMBEDDED SYSTEMS FOR INTER-VEHICLE NETWORKS	
16:35 – 16:50	M.Pańkowska OPPORTUNITIES IN PROJECT MANAGEMENT	A.Ratkowski, A.Zalewski PERFORMANCE REFACTORING FOR SERVICE ORIENTED ARCHITECTURE	T.Biłski HARD DISK DATA ORGANIZATION AND ENCRYPTION GRANULARITY	
16:50 – 17:05	D.Kuchta COMBINATION OF EARNED VALUE AND CRITICAL CHAIN METHOD IN PROJECT MANAGEMENT	B.Hnatkowska, Ł.Olbromski SOFTWARE FACTORIES AS A TOOL FOR CREATION SOA BASED APPLICATION IN A SEMI-AUTOMATED MANNER	E.Hudyma, M.Koszów AI TECHNIQUES IN MODELING VISUAL ASPECTS OF 3D OBJECTS	
17:05 – 17:20	S.Kvetonova, J.Kreslikova MODELLING OF PROJECT MANAGEMENT BY PETRI NETS	Ł.Radliński, N.Fenton, D.Marquez, P.Hearty EMPIRICAL ANALYSIS OF SOFTWARE DEFECT TYPES	T.Sitek, C.Orłowski EVALUATION OF INFORMATION TECHNOLOGIES - CONCEPT OF USING INTELLIGENT SYSTEMS	
17:20 – 17:35	P.Kalinowski, K.Jeleń COMPUTER AIDED LOCALISATION PROJECT MANAGEMENT	L.Kotulski, D.Dymek ON THE EVALUATION OF THE REFACTORING IN UML ENVIRONMENT	I.Bach, Z.Banaszak, W.Muszyński CONSTRAINT PROGRAMMING APPROACH TO PROJECT PORTFOLIO PROTOTYPING	
17:35 – 17:50	P.Stelmach, G.Skorupa A MULTIAGENT APPROACH TO RISK EVALUATION IN PROJECT MANAGEMENT	L.Borzemski, J.Wrzuszcza APPLICATION OF CLUSTER COMPUTING IN A MULTI STAGE ILLNESS RECOGNITION PROBLEM	I.Bach, K.Bzdyra, W.Muszyński, R.Wójcik MULTI-CRITERIA DECISION MAKING SUBJECT TO DISTINCT AND IMPRECISE DATA SPECIFICATION	
20:00 – 24:00	Conference Dinner			

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### FRIDAY – 21st SEPTEMBER 2007

8:00 – 9:00				Breakfast			
9:05 – 11:10		PART V		Chairs: M. Dolińska, S. Novikov, Z. Banaszak			
Room A Session A5		Room B Session B5		Room C Session C5			
9:05 – 9:20	M.Dolińska RELATIONSHIP/CUSTOMER CAPITAL IN INNOVATION PROCESSES	S.Novikov REDUCING OF VLSI-AREA BY USING FOUR-VALUED GATES	I.Dolińska AJAX APPLICATION ARCHITECTURE				
9:20 – 9:35	E.Szczerbicki, C.Sanin A GENETIC ALGORITHM IMPLEMENTATION FOR DECISIONAL DNA AND SET OF EXPERIENCE KNOWLEDGE STRUCTURE	J.Syta MEASUREMENT OF INFORMATION SECURITY PROCESSES	Z.Buchalski AN HEURISTIC PROCEDURE FOR THE MULTIPROCESSOR SCHEDULING PROBLEM TO MINIMIZE SCHEDULE LENGTH				
9:35 – 9:50	A.Klaus ACTIVITY-BASED COSTING IN UNIVERSITIES	D.Put PROPOSAL FOR RESOURCES INTEGRATION SYSTEM WITH STANDARDIZED QUERY LANGUAGE	A.Herberg FUZZY NEURAL NETWORKS IN AN MFC STRUCTURE APPLIED TO RUBUST NONLINEAR PLANTS CONTROL				
9:50 – 10:05	A.Grzech THE MODELS OF INVESTMENT PROCESS OF VENTURE CAPITAL FUNDS	P.Puchalski TIME SERIES VS. NEURAL NETWORKS - COMPARISON ON EMPIRICAL DATA	J.Drapała, J.Tomczak, J.Świątek RECOGNITION OF STATES OF EMERGENCY IN BUILDINGS USING UNCERTAIN VARIABLES				
10:05 – 10:20	M.Borzemska DETECTION OF CREDIT CARD FRAUDS:THE BANKING MONITORING SYSTEMS	K.Turek, C.Orłowski INFORMATION TECHNOLOGIES SUPPORTING TRANSITION OF SOFTWARE ENTERPRISES ACCORDING TO CMMI MODEL	M.Hojda, D.Orski ADAPTIVE APPROACH TO RESOURCE DISTRIBUTION IN SERIES-PARALLEL PRODUCTION SYSTEMS WITH UNCERTAIN PARAMETERS				
10:20 – 10:35	P.Kalinowski, J.Świątek ON RECOGNITION OF BANKNOTE'S PHOTOGRAPHS	D.Gall COMPONENT-BASED PIM TO PSM TRANSFORMATIONS	M.Smiatacz POLL READER - THE WORKING PROTOTYPE OF OPTICAL MARK RECOGNITION SOFTWARE				
10:35 – 10:50	A.Korzeniowski OPTIMIZATION OF FINANCIAL ELEMENTS IN PROJECT SCHEDULING	J.Piotrowski AN APPLICATION OF GENETIC PROGRAMMING TO A CONTENT-BASED IMAGE RETRIEVAL SYSTEM	I.Wosik AN IMMUNE ALGORITHM FOR SCHEDULING AND INSPECTION OF HEURISTICS USING INTO INITIALIZATION STEP				
10:50 – 11:10	Z.Zymonik IRIS - INTERNATIONAL QUALITY STANDARD FOR THE RAILWAY SECTOR	B.Gawel A WEB-BASED PROCESS MONITORING AND ANALYSIS PLATFORM FOR MIDDLE AND SMALL MANUFACTURING ENTERPRISES	M.Turowska APPLICATION OF A FUZZY ADAPTATION MECHANISM FOR ON-LINE COMPENSATION OF NONLINEARITIES AND UNCERTAINTY IN CONGESTION CONTROL SYSTEMS				
11:15 – 11:45	Closing of the Conference Room A						
12:00 – 13:00				Lunch			