ISAT 2014
35th INTERNATIONAL CONFERENCE
INFORMATION SYSTEMS ARCHITECTURE AND TECHNOLOGY
SZKLARSKA PORĘBA, POLAND
21 – 23 September 2014
CONFERENCE SCHEDULE AND PROGRAM

SUNDAY – 21ST SEPTEMBER 2014		
13:00 – 15:00	Registration	
15:00 – 15:45	Opening of the Conference and coffee break (with sandwiches) - room "DÓŁ"	

16:00 – 18:00	PART I	Chairs: A. Grzech, J. Świątek, M. Fraś
Room "WIKLINA" Session 1A	Room "DÓŁ" Session 1B	Room "HADES" Session 1C

	Room "WIKLINA" Session 1A	Room "DÓŁ" Session 1B	Room "HADES" Session 1C
16:00 –16:20	ZIEMOWIT NOWAK, ANTON PETRAKIVSKYI *Methodologies for grouping of autonomous systems on the Internet*	KRZYSZTOF JUSZCZYSZYN *A mixed approach to the link prediction problem in dynamic complex network*	ALEKSANDR KATKOW *Additive algorithms for accelerated compression of information*
16:20 – 16:40	PAWEŁ ROŚCISZEWSKI, JAN CYCHNERSKI, ADAM BRZESKI A regular expression matching application with configurable data intensity for testing heterogeneous HPC systems	KRZYSZTOF BRZOSTOWSKI, DARIUSZ GĄSIOR, ADAM GRZECH, KRZYSZTOF JUSZCZYSZYN, GRZEGORZ KOŁACZEK, ANDRZEJ KOZIK, RADOSŁAW RUDEK, ARKADIUSZ SŁAWEK, LEOPOLD SZCZUROWSKI, PAWEŁ ŚWIĄTEK *Business process optimization platform for integrated information systems*	BOLESŁAW SZAFRAŃSKI, GRZEGORZ BLIŹNIUK, WALID CHERIFI *A broad overview of data integration systems, from the past to the future*
16:40 – 17:00	JAN CYCHNERSKI, ADAM BRZESKI, PAWEŁ ROŚCISZEWSKI *Merging outputs of endoscopy supporting artificial intelligence algorithms after cross-validation*	KRZYSZTOF JUSZCZYSZYN, GRZEGORZ KOŁACZEK, PAWEŁ ŚWIĄTEK, ADAM GRZECH *Agile method of software development for resources management optimization processes in transportation*	DONAT ORSKI, PIOTR NURKOWSKI *On linearization of the budget allocation problem in project management under two-level uncertainty*
17:00 – 17:20	JAN CYCHNERSKI, PIOTR DOROŻYŃSKI, TOMASZ DZIUBICH *A hybrid algorithm for portal hypertensive gastropathy recognition on the endoscopic recordings*	MACIEJ ZIĘBA, JAKUB TOMCZAK, KRZYSZTOF BRZOSTOWSKI, KRZYSZTOF JUSZCZYSZYN *Asking right questions basing on incomplete data using restricted boltzman machines*	STANISŁAW JERZY NIEPOSTYN *The sufficient criteria for consistent modelling of the use case realization diagrams with a bpmn diagram*
17:20 – 17:40	JAN CYCHNERSKI, PAWEŁ ROŚCISZEWSKI, ADAM BRZESKI *Data Mining Applications and Methods in Medicine*	ANDRZEJ KOZIK, MACIEJ DRWAL, ADAM GONCZAREK, KRZYSZTOF JUSZCZYSZYN *Algorithms composition engine for domain-specific information systems*	ŁUKASZ CHOMĄTEK *Efficient algorithm for multi-criteria optimisation in the road networks*
17:40 – 18:00	JAN CYCHNERSKI Anytime polynomial heuristic algorithm for partitioning groups of data with preserving class proportions for cross-validation	DARIUSZ GĄSIOR, JERZY JÓZEFCZYK, GRZEGORZ FILCEK, MACIEJ HOJDA, DONAT ORSKI, MAGDALENA TUROWSKA, PIOTR DĄBROWSKI, KRZYSZTOF JUSZCZYSZYN *Models and algorithms for road transport problems*	ADAM SUDOŁ, SŁAWOMIR STEMPLEWSKI, VIKTOR VLASENKO *Methods of digital Hilbert optics in modelling of dynamic scene analysis process: amplitude-phase approach to the processing and identification objects? Pictures*
19:00	BARBECUE (Dinner)	

MONDAY – 22nd SEPTEMBER 2014		
7:30 – 8:30	Breakfast	
8:30 –9:30	Registration	

08:00 – 09:20	PART II	Chairs: A. Katkow, Z.Nowak, Z. Wilimowska & E.Radosiński
Room "WIKLINA" Session 2A	Room "DÓŁ" Session 2B	Room "HADES" Session 2C

	Room "WIKLINA" Session 2A	Room "DÓŁ" Session 2B	Room "HADES" Session 2C
8:00 –8:20	ANNA KAMIŃSKA-CHUCHMAŁA, MICHAŁ SCHATT *Research and Measurements of Web Servers Performance in Internet Network Using PlanetLab Environment*	NORBERT BOLEŃSKI, EDWARD SZCZERBICKI *Knowledge-based management as the key success factor for research and development organizations*	EDWARD RADOSIŃSKI *The principal determinants of stock markets*
8:20 – 8:40	RAFAŁ MICHALSKI, JERZY GROBELNY, PIOTR MUSIEL, JADWIGA PRAŻNIKÓW *The role of color and a graphical layout in interactive digital signage software*	JAROSŁAW A. CHUDZIK, ANDRZEJ CIEMSKI *Acquisition, generation and management of the customer knowledge in an interactive marketing*	MACIEJ ZARĘBA *Application of 2-additive measure to optimization of diversification across sectors in portfolio selection*
8:40 – 9:00	PIOTR OŻDŻYŃSKI *Text document categorization based on word frequent sequence mining*	DANUTA SERETNA-SAŁAMAJ, AGNIESZKA SZPARA *Adjustment of the financial company structure in the process of investment, including the risk sensitivity coefficient*	PRZEMYSŁAW PUCHALSKI, ZOFIA WILIMOWSKA *Model and its computer simulation for electric energy purchase allocation and risk evaluation on the polish market*
9:00 – 9:20	DAMIAN RACZYŃSKI *Matrix computations using gpu*	AGNIESZKA DURAJ *Preservation of privacy in association rules*	ZOFIA WILIMOWSKA, STANISŁAWE LEWIŃSKI VEL IWAŃSKI, MONIKA KOTOWSKA-LEWIŃSKA *Effectiveness of management of enterprises not rated on stock exchange - choice of legal form due to the maximization of company's value*

09:30 – 11:30	**Plenary session - Prof. M. Pagano** **"A critical overview on traffic modelling and performance evaluation"** **(room "DÓŁ")**
12:00 – 13:00	Lunch
13:20	We would like to inform you that scheduled for 22nd September trip includes a tour to the Liczyrzepa Kowary mine (more info: http://www.sztolniekowary.com/). It's a cold place (about 8°C), please make sure to wear something warm and comfortable
20:00 – …	Conference Dinner

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TUESDAY – 23rd SEPTEMBER 2014

8:00 – 9:00	Breakfast		
8:50 – 10:30	**PART III**	**Chairs: L. Borzemski, Z Wilimowska, Z. Banaszak**	
	Room "WIKLINA" Session 3A	Room "DÓŁ" Session 3B	Room "PIEKIEŁKO" Session 3C
08:50– 09:10	DARIUSZ PIERZCHAŁA, ANDRZEJ NAJGEBAUER, RYSZARD ANTKIEWICZ, ANDRZEJ TARAPATA, RAFAŁ KASPRZYK, MICHAŁ DYK *Modelling, simulation and computer support of the polish criminal procedure*	KATARZYNA ROSTEK, AGNIESZKA SKALA *In search of high-tech entrepreneurship:an algorithm for differentiation of business entities operating within the high-tech sector as illustrated by the example of Warsaw*	REMIGIUSZ RAJEWSKI *Quality of Optical Connections in the MBA(N, e, 2) Switching Networks*
09:10 – 09:30	MICHAL DYK, ANDRZEJ NAJGEBAUER, DARIUSZ PIERZCHAŁA *Augmented perception using internet of things*	ALEKSANDER ORŁOWSKI, EDWARD SZCZERBICKI *The case of management concepts in civil avaition buisness.*	MARIUSZ GŁĄBOWSKI, MICHAŁ DAMIAN STASIAK *Point-to-point blocking in switching networks with overflow links servicing selected traffic classes*
09:30 – 09:50	MAREK JASIŃSKI, RYSZARD ANTKIEWICZ *The hidden pert model*	BOGDAN RĘBIASZ, BARTŁOMIEJ GAWEŁ, IWONA SKALNA *Capital budgeting of interdependent projects with fuzziness and randomness*	MARCIN DZIUBA *The new parameters for the Blocking Windows Algorithm*
09:50 – 10:10	MARIUSZ CHIELEWSKI, WOJCIECH KULAS *The method for development and distribution of multiresolution operational picture in military and civilian decision support systems. Prototype of distributed soa based environment utilizing tactical networks and handheld devices*	BARTOSZ KUCHARSKI, EDWARD SZCZERBICKI *Experience visualizaton*	WOJCIECH M. KEMPA *On transient virtual delay in a finite-buffer queueing model with server breakdowns*
10:10 – 10:30	JAROSŁAW KOSZELA, KAROL WÓJCIK, ROMAN WANTOCH-REKOWSKI *Gesture recognition interface architecture for virtual simulation*		KAMIL SZCZYGIEŁ, KRZYSZTOF BIELAWSKI *Monitoring and self-healing of KVM virtual machines using VirtIO*
10:30 – 10:50	Coffee Break		
10:50 – 12:30	**PART IV**	**Chairs: Z. Tarapata, V. Vlasenko, A. Najgebauer**	
	Room "WIKLINA" Session 4A	Room "DÓŁ" Session 4B	Room "PIEKIEŁKO" Session 4C
10:50 – 11:10	TOMASZ BILSKI *Some remarks related to human behaviour impact on data protection processes*	MATEUSZ SMOLIŃSKI *Modern multi-disk data storage using btrfs*	PAWEŁ KUŻDOWICZ *Modeling the accounting systems in standard software*
11:10 – 11:30	JACEK BOROŃ, PAWEŁ BARTYLA *Optimization of warehouse supply by the methods of mathematical programming*	KRZYSZTOF BRZEZIŃSKI *Reconsidering the notion of control: The case of passive testing*	SYLWESTER KACZMAREK, MACIEJ SAC *Call processing performance in a multidomain IMS/NGN with asymmetric traffic*
11:30 – 11:50	HENRYK DOBROWOLSKI *Middleware in software architecture for an autonomous mobile robot ? Embodied agent*	ANNA DEREZIŃSKA, KAROL REDOSZ *Reuse of project code in model to code transformation*	CEZARY ORŁOWSKI, ARKADIUSZ SARZYŃSKI *A model for forecasting pm10 levels with the use of artificial neural networks*
11:50 – 12:10	MICHAŁ MORAWSKI, PRZEMYSŁAW IGNACIUK *Improving Robustness of LQ Optimal Networked Control Systems in the Presence of Data Loss and Delay*	ŁUKASZ MODLIŃSKI, GRZEGORZ POPEK *Representing result of knowledge integration with modal linguistic statements*	JAN KWIATKOWSKI, ANDRZEJ GNATOWSKI *Parallelization of wireless routers placement algorithms for the gpu*
12:10 – 12:30	MARCIN CZAJKOWSKI,ARTUR GORCZYCA, SYLWESTER KACZMAREK, KRZYSZTOF SZAŁAJDA, PAWEŁ KACZMAREK *The optical transport network control based on sdn architecture*	MARIUSZ MULKA, GRZEGORZ POPEK *Hybrid method for movies? Recommendation*	EVA ZÁMEČNÍKOV, JITKA KRESLÍKOVÁ *Design of Adaptive Business Rules Model for High Frequency Data Processing*
12:30 – 12:50	Closing of the Conference Room "DÓŁ"		
13:00 – 14:00	Lunch		

Swimming pool & sauna& jacuzzi (9am-8pm), table tennis, billiards and parking - are for free