2015 Information Technologies in **Innovation Business Conference** (ITIB 2015)

Kharkiv, Ukraine 7 – 9 October 2015



IEEE Catalog Number: CFP15D13-POD

978-1-5090-0236-8

ISBN:

CONTENTS

INVITED PAPERS

1	METHODS OF AUTOMATED CLASSIFICATION BASED ON WAVELET-TRANSFORM FOR AUTOMATED MEDICAL DIAGNOSTICS	
	G. Y. Shcherbakova, V.N. Krylov, N.V. Bilous	7
2	PLAQUE RUPTURE — WAVE APPROACH AND RESONANCE HYPOTHESIS	
	Andrei V. Statkus, Alexei S. Safonov, Alexander S. Sergienko	11
3	DETECTING HUMAN DRIVER'S PHYSIOLOGICAL STRESS AND EMOTIONS USING SOPHISTICATED ONE-PERSON COCKPIT VEHICLE SIMULATOR	
	Markus Gutmann, Patrik Grausberg ² , Kyandoghere Kyamakya	15
4	THE TECHNOLOGY OF USING THE GRID ENVIRONMENT FOR ECG SIGNALS DISTRIBUTED STORAGE, VISUALIZATION AND PROCESSING	
	Volodymyr Kazymyr, Olga Prila, Mykola Kryshchenko	19
5	REINVENTION OF THE CARDIOVASCULAR DISEASES PREVENTION AND PREDICTION DUE TO UBIQUITOUS CONVERGENCE OF MOBILE APPS AND MACHINE LEARNING	
	S. Nikolaiev, Y. Timoshenko	23
6	THE INTELLIGENT SYSTEM FOR DIAGNOSING BREAST CANCERS BASED ON IMAGE ANALYSIS	
	Oleh Berezsky, Serhiy Verbovyy, Tamara Datsko	27
7	ALGORITHM OF MATCHING OF MICROOBJECTS WITH DIFFERENT SHAPES	
	Grygoriy Melnyk	31
8	EVENT RECOGNITION USING A SEMANTIC-PROBABILISTIC NETWORK	
	Mykyta Kovalenko, Svetlana Antoshchuk, Mykola Hodovychenko	35
9	AUTOMATIZED TECHNIQUE FOR THREE-DIMENSIONAL RECONSTRUCTION OF CRANIAL IMPLANT BASED ON SYMMETRY	
	Oleg Avrunin, Maksym Tymkovych, Jahed Drauil	39
10	NON-PHARMACOLOGICAL CORRECTION METHODS OF CENTRAL NERVOUS SYSTEM DISTURBANCES	
	V. Dubrovin, M. Zakharova, A. Rashavchenko, J. Tverdohleb	43
11	TECHNOLOGY FOR DETERMINING OF STUDENTS ADAPTIVE CAPABILITIES	
	Andrei Porvan	47
12	ASPECTS OF SOFTWARE SYSTEM DEVELOPMENT WITH RESPECT TO IT OUTSOURCING	
	József Tick, Andrea Tick	52
13	ESTABLISHMENT OF THE INTERNATIONAL TRAINING CENTRE OF STARTUPS	
	Nataliya Bilous, Yury Timoshenko, Svetlana Antoshchuk	56
14	PROSPECTS OF UNIVERSITY-BASED IT-OUTSOURCING THROUGH THE EXAMPLE OF ONPU'S PARTICIPATION IN THE TEMPUS PROJECT «IHSITOP»	
	Svetlana Antoshchuk, Volodymyr Brovkov, Mykola Hodovychenko	60

THE METHODS OF ADAPTATION IN COMPUTER-BASED TRAINING SYSTEMS	
Igor Shubin, Oksana Karmanenko, Tatiana Gorbach, Kamil' Umyarov	64
FORECASTING OF AIRFARE PRICES USING TIME SERIES	
Anastasiia Gordiievych, Igor Shubin	68
STATE-PRIVATE PARTNERSHIP IN THE FIELD OF SOCIAL REPRODUCTION: FACILITY MANAGEMENT	
Nataliia Kusyk	72
SPECIFICS OF ORGANIZING AND STANDARDIZING INNOVATIVE LABOUR IN INFORMATION ECONOMY	
Tetyana Lepeyko, Anna Chernoivanova	76
MYWEBRTC, A FREE DO-IT-YOURSELF KIT FOR SECURE REAL-TIME INTERNET-COMMUNICATION	
Tolkiehn G., Lebedev M., Makariti A.	81
TECHNOLOGY FOR IMPROVE CYBER SECURITY USING TURBO CODES	
Volodymyr Kazymyr, Sergei Zaitsev, Yevhen Ryndych, Ruslan Zarovskyi	85
SURVEY OF MAJOR LOAD BALANCING ALGORITHMS IN DISTRIBUTED SYSTEM	
Igor N. Ivanisenko, Tamara A. Radivilova	89
IMPROVING THE AUTOMATED TESTING OF WEB-BASED SERVICES BY REFLECTING THE SOCIAL HABITS OF TARGET AUDIENCES	
Olena Turevska, Igor Shubin	93
USER IDENTIFICATION PROBLEMS ON DSP SIDE IN TERMS OF ADVERTISING RTB AUCTIONS	
B. F. Trofimov, A. V. Arsiriy, E. A. Arsiriy	97
	Igor Shubin, Oksana Karmanenko, Tatiana Gorbach, Kamil' Umyarov FORECASTING OF AIRFARE PRICES USING TIME SERIES Anastasiia Gordiievych, Igor Shubin STATE-PRIVATE PARTNERSHIP IN THE FIELD OF SOCIAL REPRODUCTION: FACILITY MANAGEMENT Nataliia Kusyk SPECIFICS OF ORGANIZING AND STANDARDIZING INNOVATIVE LABOUR IN INFORMATION ECONOMY Tetyana Lepeyko, Anna Chernoivanova MYWEBRTC, A FREE DO-IT-YOURSELF KIT FOR SECURE REAL-TIME INTERNET- COMMUNICATION Tolkiehn G., Lebedev M., Makariti A. TECHNOLOGY FOR IMPROVE CYBER SECURITY USING TURBO CODES Volodymyr Kazymyr, Sergei Zaitsev, Yevhen Ryndych, Ruslan Zarovskyi SURVEY OF MAJOR LOAD BALANCING ALGORITHMS IN DISTRIBUTED SYSTEM Igor N. Ivanisenko, Tamara A. Radivilova IMPROVING THE AUTOMATED TESTING OF WEB-BASED SERVICES BY REFLECTING THE SOCIAL HABITS OF TARGET AUDIENCES Olena Turevska, Igor Shubin USER IDENTIFICATION PROBLEMS ON DSP SIDE IN TERMS OF ADVERTISING RTB AUCTIONS