

CAIT-2018: Conference Program			
01.11.2018 Thursday			
Time (JST)	Presentation / Activity	Authors, <b>Presenters</b>	Notes
<b>UNIVERSITY OF AIZU / Lecture hall M9</b>			
09:00	Registration and welcome coffee		
09:40	Welcome from chairs		
09:50	<b>Keynote: James Bond's Most Secret Weapon</b>	<b>Franck Leprevost</b>	
<b>Session 1. Architectures and Languages / Session chair: Evgeny Pyshkin</b>			
10:40	2-tier vs. 3-tier Architectures for Data Processing Software	<b>Dmitriy Dorofeev and Sergey Shestakov</b>	
11:00	Evaluation framework for PitchKeywordExtractor	<b>Iurii Lezhenin</b> , Artyom Zhuikov, Mikhail Maltcev, Natalia Bogach and Takako Yasuta	
11:20	Grammatical Error Checker for Japanese Learners of English	<b>John Blake</b> , Jun Inoue and Takumi Kondo	
11:40	Cluster Analysis to Estimate the Difficulty of Programming Problems	<b>Intisar Chowdhury</b> and Yutaka Watanobe	
12:00	<b>Lunch</b>		
<b>Session 2. Control systems and applications / Session chair: Natalia Bogach</b>			
13:00	Approach to Optimal Control in the Economic Growth Model with a Nonlinear Production Function	<b>Alina Boiko</b> and Nikolay Smirnov	
13:20	Comparison of Pipelined Asynchronous Circuits Designed for FPGA	<b>Takuya Kudo</b> and Hiroshi Saito	
13:40	AVELPOL: A Vehicle Electrics Control System	Yuri Kochetkov, <b>Nikita Romanov</b> , Ivan Cilcic and Andrey Ivanov	
14:00	<b>Coffee break</b>		
<b>Session 3. HCI / Session chair: Andrey Kuznetsov</b>			
14:20	Human-Machine Interaction based on Hand Gesture Recognition using Skeleton Information of Kinect Sensor	<b>Md Abdur Rahim</b> , Jungpil Shin and Md. Rashedul Islam	
14:40	Colour markers localization system	<b>Egor Budlov</b> and Ruslan Sevostyanov	
15:00	WWW-based Remote Controller for LEGO robots	<b>Takumi Sato</b> , Georges Meguro and Alexander Vazhenin	
15:20	<b>University tour</b>		
<b>VIDEO CONFERENCE SESSION / University of Aizu: Lecture hall M9 / St. Petersburg State University: Peterhof, Universitetskiy prosp., 35, Room 327.</b>			
16:00	Welcome from chairs		
<b>Session 4. Science is Global / Session chair: Vitaly Klyuev</b>			
16:10	Evolutionary optimization of the public transit network	<b>Alexander Krylatov</b> and Shirokolobova Anastasia	Online from St. Petersburg
16:30	Generating Crack Patterns on Planar Geometry by L-system	<b>Megumi Takato</b> and Yohei Nishidate	Online from Aizu
16:50	Merging Tourist Routes for Collaborative Trip Planning	<b>Fedor Shkolnikov</b> , Andrey Kuznetsov and Evgeny Pyshkin	Online from St. Petersburg
17:10	Design and Implementation of a CSV Validation System	<b>Abdulrazak Hassan Abba</b> and Mohammed Hassan	Online from Nigeria
17:40	<b>Social program for international guests in Aizu-Wakamatsu with visiting Toho hot springs in Higashiyama and welcome dinner</b>		
<b>ST. PETERSBURG STATE UNIVERSITY (OFFLINE SESSION), Peterhof, Universitetskiy prosp., 35, Room 327.</b>			
<b>Session 5. St. Petersburg / Session chair: Nikolay Smirnov</b>			
17:20	Designing application-dependent tools for modeling and simulation on basis of universal modeling environment	Ekaterina Grigut, Ivan Kiryakov and Yuri Senichenkov	
17:40	Optimal Control of the Profit Tax Rate Based on the Nonlinear Dynamic Input-Output Model	Dmitry GirDYuk, Nikolay Smirnov and Tatiana Smirnova	
18:00	Optimization of taxi request order coordination using Monte-Carlo method	Anton Kiriliuk and Inna Trofimova	
18:20	Modification of JPS+ algorithm for optimal pathfinding on uniform-cost grids	Oleg Iakushkin, Lilia Tazieva, Alexey Eremin and Mikhail Balabanov	
18:40	Development of a containerized system to build geometric models and perform their strength analysis	Oleg Iakushkin, Anna Kondratiuk, Alexey Eremin and Olga Sedova	
19:00	<b>Coffee break</b>		
19:20	The model of time series as a piecewise-stationary process	Nikita Ivanov and Alexander Prasolov	
19:40	On Modification of the Positional Optimization Method for a Class of Nonlinear Systems	Alexandr Popkov, Nikolay Smirnov and Tatiana Smirnova	
20:00	Load distribution in the heterogeneous computer network of the geoinformation system	Mikhail Shirobokov and Sergey Sevryukov	
20:20	An Analyzer for Program Parallelization and Optimization	Boris Steinberg, Anton Bagliy, Victor Petrenko, Victor Burkhovetskiy, Oleg Steinberg and Elena Metelica	
<b>02.11.2018 Friday</b>			
Time (JST)	Presentation / Activity	Authors, <b>presenters</b>	Notes
<b>UNIVERSITY OF AIZU / Lecture hall M9</b>			
08:30	Registration and welcome coffee		
09:00	<b>Keynote: Exponential Innovation through Digital Transformation</b>	<b>Vlatko Davidovski</b>	
09:50	<b>Keynote: Languages and cognition: towards new CALL</b>	<b>Natalia Bogach</b>	
10:40	<b>Coffee break</b>		
<b>Session 6. Social networking / Session chair: Maxim Mozgovoy</b>			
11:00	Microblog classification: mining opinions and assessing credibility	<b>Veranika Mikhailava</b> , Victor Khaustov and Vitaly Klyuev	
11:20	Topic Modeling of Conflict Ad Hoc Discussions in Social Networks	Ivan Blekanov, <b>Nikita Tarasov</b> and Alexey Maksimov	
11:40	Sentiment Analysis for Ad Hoc Discussions Using Multilingual Knowledge-Based Approach	Ivan Blekanov, <b>Mikhail Kukarkin</b> , Alexey Maksimov and Svetlana Bodrunova	
12:00	<b>Lunch</b>		
13:00	Organizational minutes from chairs		
13:15	<b>Excursion in Aizu-Wakamatsu (Iimoriyama area, Suehiro sake brewery, Tsurugajo castle, Aizu-Wakamatsu railway station)</b>		
18:00	<b>Conference dinner (Ne-ne-ya restaurant)</b>		
<b>03.11.2018 Saturday</b>			
Time (JST)	Presentation / Activity	Authors, <b>presenters</b>	Notes
<b>UNIVERSITY OF AIZU / Software Engineering Lab</b>			
08:30	Welcome coffee		
<b>Session 7. Multidisciplinary / Session chair: Evgeny Pyshkin</b>			
09:00	Optimal IMF Selection of EMD for Sleep Disorder Diagnosis using EEG Signals	<b>Md. Rashedul Islam</b> , Md Abdur Rahim, Hafeza Akter, Raihan Kabir and Jungpil Shin	
09:20	Reducing False Positives in Automated OpenCV-based Non-Native GUI Software Testing	Masato Yamamoto, <b>Evgeny Pyshkin</b> and Maxim Mozgovoy	
09:40	Elliptic Curves Discrete Logarithm Problem over a Finite Prime Field Fp and p-adic Approximations	<b>Franck Leprevost</b> , Nicolas Bernard and Pascal Bouvry	
10:00	<b>Coffee break</b>		
<b>UNIVERSITY OF AIZU / Software Engineering Lab</b>			
10:30	Discussion panel "Mobile Apps for CALL"	Natalia Bogach, Takako Yasuta, Iurii Lezhenin, Andrey Kuznetsov, Vlatko Davidovski, Evgeny Pyshkin	
12:00	<b>Lunch</b>		
13:00	Discussion panel "Universities in the Digitally Transformed World"	Sergey Shestakov, Dmitry Dorofeev, Vlatko Davidovski, Vitaly Klyuev, Andrey Kuznetsov, Natalia Bogach, Evgeny Pyshkin	
14:00	<b>Official closing ceremony</b>		
14:20	Post-conference round table "Educational opportunities in the University of Aizu"		
18:00	<b>Aizu Hanabi Evening Program (Fireworks)</b>		
20:00	End of the conference		