

EJC 2017 Programme

Monday, 5 June 2017

18.00 - 20.00 Get together and registration (Reception: Pad Thai / soft drink)

Tuesday, 6 June 2017 (Full day Conference)

08.30 - 08.45 Welcome speech by EJC 2017 Organizers

08.45 - 09.45 Session 1: Keynote (1)

Dynamic Optimization Technology for Cyber Physical Production with Massively Parallel Simulation
Masahiro NAKAMURA, CEO, LEXER Research Inc., Japan

09.45 - 10.10 Drone group photo session by Chawan KOOPIPAT

10.10 - 10.30 Coffee Break

10.30 - 12.30 Appetizer session (All papers are introduced by 3 minutes and 3 pages of presentation)
Chair: Bernhard Thalheim

12.30 - 13.30 Lunch Break

13.30 - 14.50 Session 2: Conceptual Modelling

13.30-14.00 A Concept A Conceptual Model for Systems Engineering and Its Formal Foundation

#709 (F)

Andreea Andreea BUGA, Sorana Tania NEMES, Klaus-Dieter SCHEWE and Pornpan SONGPRASOP

14.00-14.30 Omnichannel and Customer Experience Evaluation

#711 (F)

Janne FÖHR, Hannes HIETANEN, Artem KHVATOV, Toni LEPISTÖ, Niko LIUKKA and Ajantha DAHANAYAKE

14.30-14.50 Star vs. Snowflake Schema: Decision Based on ETL Process Performance Indicators

#735 (S)

Boštjan BRUMEN and Goran KOVAČIĆ

14.50 - 15.20 Coffee Break

15.20 - 16.50 Session 3: Environment (1)

15.20-15.50 An Environmental-Semantic Computing System for Coral-Analysis in Water-Quality and Multi-Spectral Image Spaces with “Multi-Dimensional World Map”
#723 (F)

Yasushi KIYOKI, Xing CHEN, Chalisa VEESOMMAI, Shiori SASAKI, Asako URAKI, Chawan KOOPIPAT, Petchporn CHAWAKITCHAREON and Aran HANSUEBSAI

15.50-16.20 Analytical Visualization Functions of 5D World Map System for Multi-parameter Sensing Data
#736 (F)

Shiori SASAKI and Yasushi KIYOKI

16.20-16.50 A Semantic Multispectral Images Analysis Retrieval Method for Interpreting Deforestation Effects in Soil Degradation
#726 (F)

Irene Erlyn Wina RACHMAWAN and Yasushi KIYOKI

Session 6: Keynote (2)

16.50-17.50 Thai Language Processing and Its Applications: Past, Present and Future

Keynote 2 Thanaruk THEERAMUNKONG, SIIT, Thammasat University, Thailand

18.00 - 21.30 Banquet Seafood Barbeque

Wednesday, 7 June 2017 (Half day Conference)

08.00 - 14.30 4 Islands Excursion with Lunch box (program is subject to change due to the weather)

15.30 - 15.45 Coffee Break

15.45 - 17.25 Session 4: Environment (2)

15.45-15.55 Application of Data Mining Software to Predict the Alum Dosage in Coagulation Process: A Case Study of Vientiane, Lao PDR
#734 (S)

Petchporn CHAWAKITCHAREON, Khoumkham LADSAVONG and Yasushi KIYOKI

15.50-16.20 Determination of Methane Flux in Organic Paddy Field

#733 (S) Supawan KHANTOTONG, Sununtha KINGPAIBOON, Pinthitha MUNGKARNDEE and Petchporn CHAWAKITCHAREON

16.20-16.50 Photographic Assessment of Coral Stress: Effect of Low Salinity to Acropora sp. Goniopora sp. and Pavona sp. at Sichang Island, Thailand

#731 (S) Sompop RUNGSUPA, Petchporn CHAWAKITCHAREON, Aran HANSUEBSAI, Shiori SASAKI and Yasushi KIYOKI

16.20-16.50 Spatial Dynamics of The Global Water Quality Analysis System with Semantic-ordering functions

#727 (S) Chalisa VEESOMMAI and Yasushi KIYOKI

16.20-16.50 Estimating Actual Evapotranspiration from NDVI using Landsat 8 and Sentinel-2 Imagery

#737 (S) Panath JERMTHAISONG, Sununtha PINGPAIBOON and Petchporn CHAWAKITCHAREON

17.25 - 17.30 Session Break

17.30 - 18.50 Session 5: Environment (3)

17.30-17.50 An Application of Multispectral Semantic Image Space for Global Farming Analysis and Crop Condition Comparisons

#728 (S) Jinnika WIJITDECHAKUL, Yasushi KIYOKI and Shiori SASAKI

17.50-18.10 Profitability consideration of corrugated paperboard production based on Carbon Footprint reduction and the improvement of Overall Equipment Effectiveness

#718 (S) Long Giang NGUYEN and Aran HANSUEBSAI

18.10-18.30 Forecasting Industrial Wastes To Wastes Disposal Management By Using Box-Jenkins Autoregressive Integrated Moving Average Models And Excel Application: Case Study On Ophthalmic Plastic Lens Production In Zzz Company In Thailand

#717 (S) Krittiya LERTPOCASOMBUT and Supawut SRIPLOY

18.30-18.50 Global Sharing Analysis and Visualization of Water Quality by 5D World Map: A Case Study at Sichang Island, Thailand

#743 (S) Petchporn CHAWAKITCHAREON, Khoumkham LADSAVONG, Yasushi KIYOKI, Shiori SASAKI and Sompop RUNGSUPA

Thursday, 8 June 2017 (Full day Conference)

09.30 - 10.20 Session 7: Process Modelling

09.30-09.50 Components of an intelligent preprocessing agent for data mining:
extensibility viewpoint

#739 (S)

Markus VATTULAINEN

09.50-10.20 A Continuous Delivery Framework for Business Intelligence

#704 (F)

Mikko PUONTI, Juha JÄRVI and Tommi MIKKONEN

10.20 - 10:40 Coffee Break

10.40 - 12.10 Session 8: Logic and Culture

10.40-11.10 Logic of Dynamic Discourse; Anaphora Resolution

#714 (F)

Marie DUŽÍ

11.10-11.40 The Role of Beta Conversion in Functional Programming

#725 (F)

Marek MENŠÍK, Marie DUŽÍ and Jakub KERMAŠEK

11.40-12.10 Culture-Aware Web Information Systems in Dependence of Context

#748 (F)

Hannu JAAKKOLA and Bernhard THALHEIM

12.10 - 13.40 Lunch Break

13.40 - 15.40 Session 9: Multimedia

13.40-14.10 Visual Label: An Integrated Multimedia Content Management and
Access Framework

#716 (F)

Iftikhar AHMAD, Petri RANTANEN, Pekka SILLBERG, Jorma
LAAKSONEN, Shuhua LIU, Thomas FORSS, Aqdas MALIK, Marko
NIEMINEN, Rakshith SHETTY, Satoru ISHIKAWA, Jarno KALLIO,
Jukka P. SAARINEN, Moncef GABBOUJ and Jari SOINI

14.10-14.30 Study the effect of Ammonia by Image Analysis on Healthiness
Detection for Coral Quality of Life

#746 (S)

Aran HANSUEBSAI, Sompop RUNGSUPA, Petchporn
CHAWAKITCHAREON, Yasushi KIYOKI and Shiori SASAKI

- 14.30-15.00 Visual Data Mining in Software Repositories: A Survey
#740 (F) Anna ETELÄÄHO, Jari SOINI, Hannu JAAKKOLA and Anna-Liisa MATTILA
- 15.00-15.20 SNOMED CT Primitive Concept Similarity Measure by Concept Name Text Similarity Approach
#738 (S) Htet Htet HTUN and Virach SORNLERLTLAMVANICH
- 15.20-15.40 Bed Postures Classification using Noninvasive Bed Sensors for Elderly Care
#722 (S) Waranrach VIRIYAVIT, Virach SORNLERLTLAMVANICH, Waree KONGPRAWECHNON and Panita PONGPAIBOOL

15.40 - 16.00 Coffee Break

16.00 - 16.50 Session 10: Social Computing

- 16.50-17.10 Topic Extraction from Millions of Tweets based on Community Detection in Bipartite Networks
#742 (F) Takako HASHIMOTO, Tetsuji KUBOYAMA, Hiroshi OKAMOTO and Kilho SHIN
- 15.50-16.20 Photo Sharing Service for Recommendation of Sightseeing Places
#747 (S) Kosuke TAKANO, Saengaroon HUSSAYA, Im-oep NANYAKORN, Eriko SHIBAMOTO and Xing CHEN

16.50 - 17.10 Session Break

17.10 - 18.25 Session 11: Information Modelling

- 17.10-17.25 The hybrid algorithm for image segmentation of the chicken carcasses in the poultry processing
#741 (P) Boonyakiat CHAITEPPREASITH and Chawan KOOPIPAT
- 17.25-17.40 Web-User-Interface System Utilizing rHMEI and Open Data for a Water Quality Analyzer
#744 (P) Pekka SILLBERG, Chalisa VEESOMMAI, Jari SOINI and Hannu JAAKKOLA

- 17.40-17.55 ERP-implementation projects approaches and tools: Saint Petersburg IT companies
#707 (P)
Aleksandr LEPEKHIN, Gleb BOGODUKHOV, Alexandra BORREMANS, Anastasya AGEEVA, Ajantha DAHANAYAKE and Igor ILIN
- 17.55-18.10 An Evaluation Model of Credibility Calculation System for Natural Disasters
#729 (P)
Ken HONDA and Naofumi YOSHIDA
- 18.10-18.25 Cross Culture Analysis of Social Network Data between Thailand and Japan in PokemonGo Case
#732 (P)
Phat JOTIKABUKKANA, Sarawoot KONGYOUNG, Virach SORNLERLAMVANICH, Yukari SHIROTA and Takako HASHIMOTO

Friday, 9 June 2017

- 08.30 - 12.30** Discussion future discussion for EJC / Committee meeting / GESL meeting
- 12.30 - 13.30** Lunch