

Ahmet Kose, PhD student in Faculty of IT at Tallinn University of Technology, participated IEEE World Congress on Computational Intelligence (WCCI 2016). Conference is held each two years and IEEE WCCI 2016 received 3,015 paper submissions can be referred to importance and level of the conference (ETIS 3.1).

On 24 July, I attended several tutorials. Applying Evolutionary Computation in Industrial Practice by Erik Goodman, Professor & Director BEACON Center for the Study of Evolution in Action, Computational Intelligence Approaches for Big Data by Francisco Herrera Soft Computing and Information Intelligent System, University of Granada, Spain were the most interesting tutorials. In the evening time, Welcome Reception was the enormous opportunity to start networking among colleagues.

Between 25-29 July, I was fulfilled with many interesting sections with public lectures, workshops and tutorials and presentations.

On 25 July, Public Lecture: Fun and Games with Artificial Intelligence, Prof. David B. Fogel was one of the essential lecture I will always remember and keep on mind for future career.

Nevertheless, Plenary Talks: Deep Learning by Prof. Jurgen Schmidhuber and Evolutionary Machine Learning by Una-May O'Reilly were significant chance to recognize future trends.

On 27 July at 4.10 PM in Session WM-5 "Anomaly & Fault Detection, Concept Drift", I presented the paper "System Identification Models and Using Neural Networks for Ground Source Heat Pump with Ground Temperature Modeling" which is accepted for this conference. I have received valuable feedback from session chair and audience. In the same evening, I attended to Award Banquet at Vancouver Convention Center where I had unique networking opportunity.



*Figure 1. Networking with colleagues from Singapore.*




Figure 2a. First Day at IEEE WCCI 2016 after registration. Figure 2b. Trying to capture important points during tutorials.



Figure 4. Q&A after one of public lectures.



Figure 5. Award Banquet on 27 July


**IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE**  
 24-29 JULY 2016, VANCOUVER, CANADA

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**Session WM-5: Anomaly & Fault Detection, Concept Drift - Chair(s): Marios Polycarpou**

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2:30 pm to 4:30 pm

NEXT: Session WP-5 UCNN-34: Smart Educational Techniques in 11:56 AM

**2:30PM**  
 N-16645: Regularized Covariance Matrix Estimation with High Dimensional Data for Supervised Anomaly Detection Problems  
*Daniel Nikovski and Kiran Byadarhaly*

**2:50PM**  
 N-17174: A Cognitive Fault-Detection Design Architecture  
*Georgios M. Milis, Demetrios G. Eliades, Christos G. Panayiotou and MariosM. Polycarpou*

**3:10PM**  
 N-16043: An Alternative Sensor Cloud Architecture for Vital Signs Monitoring  
*Sara Chanavati, Jemal Abawajy and Davood Izadi*

**3:30PM**  
 N-16216: Benchmarking a Coevolutionary Streaming Classifier under the Individual Household Electric Power Consumption Dataset  
*Alexander Loginov, Malcolm I. Heywood and Garnett Wilson*

**3:50PM**  
 N-16996: Minimum Description Length Principle applied to Structure Adaptation for Classification under Concept Drift  
*Pierre-Alexandre Murena and Antoine Cornujsols*

**4:10PM**  
 N-16071: System Identification Models and Using Neural Networks for Ground Source Heat Pump with Ground Temperature Modeling  
*Ahmet Kose and Eduard Petlenkov*

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Figure 5. Time to present the paper