Data Analytics & Visualization Summer School 2017

CREATE DAV Summer School – DAY 1 (York University)

WEDNESDAY JULY 5	Bergeron Centre, room 313 (Keele Campus map: building #81)
8:30 – 9:00 AM	Breakfast & Registration
9:00 – 9:15AM	*Program Introduction* **Dr. James Elder, Director CREATE DAV Program and Lead Principal Investigator**
9:15 - 9:45 AM	*3D Augmented Urban Space Modeling from Point Clouds* **Dr. Gunho Sohn, York University, Faculty of Geomatics Engineering**
9:45 - 10:15 AM	*A workflow for 3D campus model construction with a view to geodesign and crowd modelling scenarios* **Dr. G. Brent Hall, Esri Canada Limited, Director of Education and Research**
10:15- 10:45 AM	*Data Analytics & Visualization for Dynamic 3D Urban Scenes* **Dr. James Elder, York University, Faculty of Electrical Engineering and Computer Science, Faculty of Phycology**
10:45 – 11:00 AM	Break & Refreshments
11:00 – 11:30 PM	*Using Ontologies to Support Visualization of Medical Data* **Mr. Michael Glueck, Autodesk Research, Principal Research Scientist**
11:30 – 12:00 PM	*High dimensional data clustering: Projective adaptive resonance theory and applications* **Dr. Jianhong Wu, York University, Faculty of Mathematics and Statistics**
12:00 – 12:30 PM	*Data Visualizations for a Healthier and Safer World: Making Sense of Global Epidemics* **James Yoon, Bluedot, Director, Design,**
12:30 – 12:50 PM	*Dynamics and optimization of online advertising systems* **Yong Yang, PhD candidate** **Mentor: Dr. Jianhong Wu, York University**
12:50 – 1:50 PM	Lunch & Networking
1:50 – 2:10 PM	*MCMLSD: A Dynamic Programming Approach to Line Segment Detection* **Yiming Qian, PhD candidate** **Mentor: Dr. James Elder, York University**
2:10 – 2:30 PM	*Road Segmentation based on the Fusion of Geometry and Appearance* **Gong Cheng, PhD candidate** **Mentor: Dr. James Elder, York University**

2:30 – 2:50 PM	*Application of Computer Vision in Sports* **Hemanth Pidaparthy, PhD candidate** **Mentor: Dr. James Elder, York University**	
2:50 – 3:20 PM	**LAB TOUR Group 1**	**LAB TOUR Group 2**
	Dr. James Elder's (LAS002B)	**Dr. Gunho Sohn's (PSE 312)**
3:20 – 3:50 PM	**Dr. Gunho Sohn's (PSE 312)**	**Dr. James Elder's (LAS002B)**
3:50 – 4:05 PM	Break & Refreshments	

WEDNESDAY JULY 5	**Petrie Science and Engineering Building, Computer lab (PSE 02) (Keele Campus map: building #17)**
4:05 – 5:35 PM	*3D Scanning and Augmentation* **Hands-on Activities, led by Dr. Gunho Sohn**

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CREATE DAV Summer School – DAY 2 (OCAD U)

THURSDAY JULY 6	100 McCaul St., Auditorium (Toronto, ON M5T 1W1)
7:35 AM	Bus departure to OCAD U
8:30 – 9:00 AM	Arrival & Breakfast
9:00 – 9:30 AM	*Exploring N-Logic Data* **Dr. Sara Diamond, OCAD University President**
9:30 – 10:00 AM	*When design meets data* **Globe and mail Gordon Edall, The Globe and Mail, Director, Globe Labs**
10:00 – 10:20 AM	*Prototyping the Comparative Methodology* **Marcus A. Gordon, M.Sc candidate** **Mentor: Dr. Sara Diamond, OCAD University**
10:20 – 10:50 AM	*The multi-sensory data cube: Anticipating an inclusive multi-sensory data analytics paradigm* **Dr. Peter Coppin, OCAD University, Faculty of Design**
10:50 – 11:15 AM	Break & Refreshments
11:15 – 11:45 AM	*Co-designing healthcare technology solutions with patients and providers* **Sarah Sharpe, QoC Health, Healthcare Strategy & Co-Founder**
11:45 – 12:05 PM	*Sonifying Minard: An early statistical graphic meets sonic information design* **Richard Windeyer, PhD candidate** **Mentor: Dr. Peter Coppin, OCAD University**
12:05– 12:50 PM	**LAB (RHA) TOUR – Dr. Sara Diamond's**
12:50 – 2:00 PM	Lunch & Networking
2:00 – 2:45 PM	**LAB TOUR – Dr. Peter Coppin's**
2:45 – 4:30PM	*The user-centered interaction design spiral and the concept of affordances* **Hands-on Activities, led by Dr. Peter Coppin and Dr. Steve Szigeti**
4:30 – 5:00 PM	Refreshments
5:00 PM	Bus departure to York University

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CREATE DAV Summer School – DAY 3 (York University)

FRIDAY JULY 7	Bergeron Centre, room 313 (Keele Campus map: building #81)	
8:30 – 9:00 AM	Breakfast	
9:00 – 9:30 AM	*SteerSuite: A framework for developing, and evaluating steering behaviours and related applications* **Dr. Petros Faloutsos, York University, Faculty of Electrical Engineering and Computer Science**	
9:30 – 10:00 AM	*Dissecting and Mapping Human Anatomical Form* **Dr. Jeremy Mogk, Autodesk Research, Principal Research Scientist**	
10:00 – 10:30 AM	*Signal Processing for Big Data Applications: Sensor Networks, Cloud Computing Architectures and Brain-Computer Interfaces* **Dr. Amir Asif, Concordia University, Dean of Faculty of Engineering and Computer Science and Dr. Hamidreza Sadreazami, Postdoctoral Fellow, Concordia University**	
10:30 – 11:00 AM	*Contrast Pattern Based Collaborative Behavior Recommendation* **Dr. Aijun An, York University, Faculty of Electrical Engineering and Computer Science**	
11:00 – 11:20 AM	Break & Refreshments	
	Group 1	**Group 2**
11:20 – 12:10 PM	**LAB TOUR (LAS 0018)** **Dr. Petros Faloutsos'**	**Meet the Professors**
12:10 – 1:00 PM	**Meet the Professors**	**LAB TOUR (LAS 0018)** **Dr. Petros Faloutsos'**
1:00 – 2:15 PM	Lunch & Networking	
2:15 – 2:35 PM	*Predicting forced migration from news articles* **Forouq Khonsari, M.Sc candidate** **Mentor: Dr. Aijun An, York University**	

FRIDAY JULY 7	Lassonde Building, Computer Lab, LAS 1006 (Keele Campus map: building #19)
2:35 – 4:30 PM	*Data Mining in Weka* **Workshop led by Dr. Elnaz Delpisheh**

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FRIDAY JULY 7	Bergeron Building, a space near Room 125 (Keele Campus map: building #81)
4:30 – 7:00 PM	Bergeron tour and Reception