

VAST Challenge Workshop 2017

Draft Schedule

8:30AM – 5:55PM Sunday, October 1, 2017 – 207 Lecture Hall

Session 1: Welcome and Mini-Challenges (8:30-10:10)

8:30 – 8:50	Overview of the VAST Challenge 2017 and Introduction to Mini-Challenge 1: Patterns of Life Analysis
8:50 – 9:10	#103 “ Exploring Lekagul Sensor Events using Rules, Aggregations, and Selections ” Bram Cappers, Eindhoven University of Technology. MC1 Award: <i>Elegant support for hypothesis generation and testing</i>
9:10 – 9:30	#107 “ Interactive Visual Analytic Application for Spatiotemporal Movement Data ” Guan Yifei, Singapore Management University. MC1 Award: <i>Actionable and detailed analysis</i>
9:30 – 9:50	#115 “ Mystery at Legakul Preserve: The Pipits Kick It ” Jordan Benson, SAS. MC1 Award: <i>Outstanding clarity of presentation</i>
9:50 – 10:10	Special Posters Session. Posters will be located in 301-AB (upstairs from the Workshop)
10:10 - 10:30	Morning Break and Poster Viewing

Session 2: Mini-Challenges (10:30-12:10)

10:30 – 10:50	#145 “ ODIX: A Rapid Hypotheses Testing System for Origin-Destination Data ” Juri Buchmüller, University of Konstanz. MC1 Award: <i>Excellence in spatio-temporal graph analytics</i>
10:50 – 11:05	#165 “ A Visual Explorer for Analyzing Trajectory Patterns ” Wooil Kim, Korea University. MC1 Honorable Mention: <i>Novel use of experimental coordinated visualizations</i>
11:05 – 11:15	Introduction to Mini-Challenge 2: Sensor Performance and Gaseous Effluent Analysis
11:15 – 11:35	#147 “ Visual Analytic Design for Detecting Airborne Pollution Sources ” Jo Wood, giCentre City University of London. MC2 Award: <i>Comprehensive Mini-Challenge 2 solution</i>
11:35 – 11:50	#140 “ Mining Factory Pollution Data through a Spatial-Nonspatial Flow Approach ” Joseph Borowicz, University of Illinois at Chicago. MC2 HM: <i>Clarity in visual communication</i>
11:50 – 12:05	Invited Speaker “History of the VAST Challenge”
12:05 – 2:00	Lunch Break and Poster Viewing (12:10-2:00)

Session 3: Mini-Challenge 3 and Multi-Challenges (2:00-3:40)

2:00 – 2:10	Introduction to Mini-Challenge 3: Multispectral Image Analysis
2:10 – 2:25	#106 “ Multi-Spectral Satellite Image Analysis for Feature Identification and Change Detection ” Paul Rosen, University of South Florida. MC3 Honorable Mention: <i>Good facilitation of single image analysis</i>
2:25 – 2:40	#141 “ A Web-Based Interactive Image Explorer for Temporal Analysis of Satellite Images ” Vijayraj Mahida, University of Illinois at Chicago. MC3 Honorable Mention: <i>Good interactive image explorer for temporal analysis</i>
2:10 – 2:20	Grand Challenge and Introduction to Multi-Challenge Presentations
2:20 – 2:50	#119 “ ClockPetals: Interactive Sequential Analysis of Traffic Patterns ” and #108 “ WindNebula: Vectorial-Temporal Analysis for Environmental Assessment ” Purdue University. Award: <i>Multi-challenge award for aesthetic design</i>
2:50 – 3:20	#142 “ Interactive and Collaborative Visual Analysis on Traffic Sensor Data ”, #172 “ Temporal Pattern Analysis and Source Detection through Visual Analysis on Multi-Dimensional Time Series Data ” and #160 “ Visual Analysis for Multi-Spectral Images Comparisons ” Peking University and Qihoo 360. Award: <i>Multi-challenge award for combining automated and visual analytics</i>
3:20 – 3:40	Behind the Scenes of the VAST Challenge – Panel “Ask Us Anything” (Panelists will be SME consultants and members of the VAST Challenge development team.)
3:40 – 4:15	Afternoon Break and Poster Viewing

Session 4: Multi-Challenges and Discussion (4:15-5:55)

4:15 – 4:45	#124 & #126 “ PreserVis, a Visual Analytic System for Traffic and Pollution Patterns ” Hong Kong University of Science and Technology. Award: <i>Multi-Challenge award for Compelling Synthesis of Information</i>
4:45 – 5:15	#152 & #155 “ Spatiotemporal Identification of Anomalies in a Wildlife Preserve ” Singapore Management University. Award: <i>Multi-Challenge award for clear presentation of hypotheses and supporting evidence</i>
5:15 – 5:35	Challenge Participants’ Feedback
5:35 – 5:55	Poster Favorites Awards; VAST Challenge 2018; Closing Remarks