



Command, Control and Interoperability Center for Advanced Data Analysis

A Department of Homeland Security Center of Excellence

2013 CCICADA Research Retreat – PROGRAM

Thursday, April 18, 2013

<u>Time</u>	<u>Activity</u>	<u>Location</u>
1:30pm – 2:00pm	Arrival	TSU
2:00pm - 2:30pm	Welcome, Introductions – Opening Remarks Fred Roberts, Director, CCICADA, Rutgers, the State University of NJ Lila Ghemri, Texas Southern University Eduard Hovy, Carnegie Mellon University <i>Self-introductions: Retreat Participants</i>	Sterling Student Center – Room 238
2:30pm – 3:30pm	Invited Talk David Ebert, Director, VACCINE, Purdue University <i>Visual Analytics: Effective Solutions to Real World Problem</i>	Sterling Student Center – Room 238
3:30pm – 3:50pm	Break and Poster Setup	-
3:50pm – 4:40pm	Presentations - - Session I: NLP and Risk Analysis Stephen Mayhew, UIUC - <i>Robust Information Extraction from Multiple Source</i> (20 min) Ping Chen, U Houston – <i>Study of Two Critical Problems in Lexical Semantics</i> (10 min) Hyun Duk Kim, UIUC – <i>General Unsupervised Explanatory Opinion Mining from Text Data</i> (10 min) Alper Almaz, Rutgers – <i>Risk Analysis of the Vessel Traffic in Delaware River and Bay</i> (10 min)	Sterling Student Center – Room 238
4:40pm – 6:00pm	Visit TSU Museum and Hannah Hall - view John Biggers Murals	TSU campus
6:00pm – 6:30pm	Posters and Demos - - Session I Cindy Hui, Rutgers (Demo) – <i>Modeling and Simulation Environment for Tradeoffs in Commerce and Security</i> Candice Jean-Louis, Morgan State – <i>Analyzing Entropy in Biosurveillance</i>	Sterling Student Center – Room 238

April 18, 2013 - continued

6:00pm – 6:30pm

Posters and Demos - - Session I - cont. -
Ongard Sirisaengtaksin, U Houston (**Demo**) –
*Social Crime Real-Time Mapping for
Mobile Devices – Geo Visual Sense Making
of Social Media Datasets*
Eduard Hovy, CMU (**Demo**) – *WAT: A Web
Archival Tool to Support Interdiction of
Human Trafficking*
Bradford Greening, Rutgers – *Cascading
Failures in Interoperability Among
Responding Agencies in Crisis Situations*
Priyam Mitra, Rutgers – *Real Time Nuclear
Detection Using A Network of Mobile
Sensors*
Moussa Doumbia, Howard U – *Non Severe,
Severe, and Asymptomatic Malaria Cases
Among Pregnant Women in Nigeria*
Duber Gomez-Fonseca, U Houston – *Spatio-
Temporal Data: Consumer Price Index 2001
to 2011*
Alisa Matlin, Rutgers – *Factors Affecting
Processing Times in Stadium Security Patron
Inspection Procedures*
Deepika Dhadral, U Houston – *Navigation
System for 3D Models*

Sterling Student Center –
Room 238

6:30pm – 7:00pm

Posters and Demos - - Session II
Erin Hodgess, U. Houston – *Spatio-Temporal
Modeling for Texas Cities*
Brian Thompson, Rutgers – *Association Mining
via Co-Clustering of Sparse Matrices*
Xiang Ren, UIUC – *Automatic Document
Summarization: An Information Network
Approach*
Alper Almaz, Rutgers – *Risk Analysis of the
Vessel Traffic in Delaware River and Bay*
Hyun Duk Kim, UIUC – *General Unsupervised
Explanatory Opinion Mining from Text Data*
Haruna Kibirige, Texas – *Hot Event Analysis
And Tracking on Twitter (HEAT)*
Jude Ugiomoh, Texas – *Game Theory and
Cyberbullying*
Fan Wu, Tuskegee University – *High
Performance Solutions of Heat and Mass
Transfer Simulation in Capillary Porous Media
Using Programmable General Purpose
Graphics Processing Units*

Sterling Student Center –
Room 238

7:00pm – 8:00pm

Dinner

Sterling Student Center –
Tiger Room

8:00pm – 9:00pm

Invited Talk

John Dyess, Chief Admin Officer for Sheriff of
Harris County

Sterling Student Center –
Tiger Room

9:00pm

Return to Hotel (shuttle)

2013 CCICADA Research Retreat – PROGRAM

Friday, April 19, 2013

<u>Time</u>	<u>Activity</u>	<u>Location</u>
7:30am – 8:00am	Arrival (shuttle from hotel)	
8:00am – 8:50am	Breakfast	Sterling Student Center – Room 207B
8:50am – 9:00am	Day 2 Welcome	Sterling Student Center – Room 238
9:00am – 10:40am	<p>Presentations - - Session II: Social Media</p> <p>Lila Ghemri, TSU – <i>Accountability in Online Social Networks</i> (20 min)</p> <p>Ongard Sirisaengtaksin, U. Houston – <i>Social Crime Real-Time Mapping for Mobile Devices – Geo Visual Sense Making of Social Media Datasets</i> (20 min)</p> <p>Rui Li, UIUC – <i>Towards Social User Profiling: A Probabilistic Approach for Inferring Users' Locations</i> (20 min)</p> <p>Haruna Kibirige, TSU – <i>Hot Event Analysis And Tracking On Twitter (HEAT)</i> (10 min)</p> <p>Brian Thompson, Rutgers – <i>Association Mining via Co-Clustering of Sparse Matrices</i> (10 min)</p> <p>Yulia Tyshchuk, RPI – <i>Social Media in Extreme Events</i> (10 min)</p> <p>Jude Ugiomoh, TSU – <i>Game Theory and Cyberbullying</i> (10 min)</p>	Sterling Student Center – Room 238
10:40am – 11:00am	Break	–
11:00am – 12:30pm	<p>Presentations - - Session III: Decision Making</p> <p>Hans Chalupsky, ISI – <i>RIPTIDE – Learning Violation Prediction Models from Boarding Activity Data</i> (20 min)</p> <p>Jacob Baron, Rutgers – <i>Combinatorial Results on a Resource Allocation Problem with Simultaneity Constraints</i> (20 min)</p> <p>Eduard Hovy, CMU – <i>WAT: A Web Archival Tool to Support Interdiction of Human Trafficking</i> (20 min)</p> <p>Bradford Greening, Rutgers – <i>Cascading Failures in Interoperability among Responding Agencies in Crisis Situations</i> (10 min)</p> <p>Cindy Hui, Rutgers – <i>Modeling and Simulation Environment for Tradeoffs in Commerce and Security</i> (10 min)</p>	Sterling Student Center – Room 238

April 19, 2013 - continued

11:00am – 12:30pm	Presentations - - Session III: Decision Making - continued - Priyam Mitra, Rutgers – <i>Real Time Nuclear Detection Using A Network of Mobile Sensors</i> (10 min)	Sterling Student Center – Room 238
12:30pm – 1:30pm	Lunch	Sterling Student Center – Room 207B
12:30pm – 5:00pm +/-	Field Trip: Houston Office of Emergency Management	-
5:00pm – 6:00pm	Return to Hotel	-
6:00pm – 7:00pm	Dinner	Crowne Plaza Hotel
7:00pm – 9:00pm	Activity - - to be determined	Crowne Plaza Hotel

2013 CCICADA Research Retreat – PROGRAM

Saturday, April 20, 2013

<u>Time</u>	<u>Activity</u>	<u>Location</u>
8:00am – 9:00am	Breakfast	Crowne Plaza Hotel
9:00am – 9:30am	Invited Talk	Crowne Plaza Hotel
9:30am – 10:40am	Presentations - - Session IV: Models/ Algorithms Mohsen Beheshti, University of Houston – Downtown/California State University, Dominguez Hills – <i>Intelligent Network Security Using Genetic Algorithms</i> (20 min) Moussa Doumbia, Howard U. – <i>Non Severe, Severe, and Asymptomatic Malaria Cases Among Pregnant Women in Nigeria</i> (10 min) Candice Jean-Louis, Morgan State – <i>Analyzing Entropy in Biosurveillance</i> (10 min) Alisa Matlin, Rutgers – <i>Factors Affecting Processing Times in Stadium Security Patron Inspection Procedures</i> (10 min) Erin Hodgess, U. Houston – <i>Spatio-Temporal Modeling for Texas Cities</i> (10 min) Fan Wu, Tuskegee University – <i>High Performance Solutions of Heat and Mass Transfer Simulation in Capillary Potous Media Using Programmable General Purpose Graphics Processing Units</i> (10 min)	Crowne Plaza Hotel
10:40am – 11:00am	Closing Remarks	Crowne Plaza Hotel
11:00am	2013 Retreat Concludes Lunch (carry-out)	