

**National Science Foundation Industry/University Cooperative Research
Center for Dynamic Data Analytics (CDDA)
Workshop and Industrial Advisory Board Spring 2012 Meeting**

May 9 & 10, 2012

CEWIT Building, 1500 Stony Brook Road, Stony Brook, NY 11794-6040

Wednesday, May 9, 2012 (Open to All Participants)

8:00-9:00 *Registration, Check-In and Continental Breakfast*

9:00-9:15 *Greetings by Stony Brook University Administrators*

Dr. Benjamin Hsiao, Vice President for Research, Stony Brook University
Dr. Yacov Shamash, Vice President for Economic Development and Dean of
College of Engineering and Applied Sciences, Stony Brook University

9:15-9:30 *Overview of Goals and Agenda of Workshop*

CDDA Directors: Dr. Arie Kaufman and Dr. Dimitris Metaxas

9:30-10:00 *CDDA Vision, Capabilities, and Status Update*

CDDA's goals, importance and value for industry and government partners,
highlights of university capabilities supporting CDDA, and center status update -
presented by CDDA Directors

10:00-10:45 *NSF Industry/University Cooperative Research Centers (I/UCRC) Program*

I/UCRC goals, policies, membership agreement, and IP issues – presented by
Dr. Rodriguez and Dr. Schwarzkopf from NSF

10:45-11:00 *Break*

11:00-12:00 *Project Presentations (Part 1 of 3)*

11:00-11:15 Presentation 1 (Stony Brook):
Large-Scale Text Analysis with Lydia: Research and Commercialization –
Steve Skiena

11:15-11:30 Presentation 2 (Rutgers):
Deformable Segmentation Using Sparse Representation – Shaoting
Zhang

11:30-11:45 Presentation 3 (Stony Brook):
Learning Interpretable Structure for Graphical Models – Dimitris Samaras

11:45-12:00 Presentation 4 (Rutgers):
Network Analysis of Washington Post Social Reader Data – Tina Eliassi-
Rad

12:00-1:30 *Lunch and Poster Session*

1:30-3:00 *Project Topic Presentations (Part 2 of 2)*

- 1:30-1:45 Presentation 5 (Stony Brook):
Immersive Exploration of Large Datasets – Arie Kaufman
- 1:45-2:00 Presentation 6 (Rutgers):
Large Scale Image Retrieval – Xiang Yu
- 2:00-2:15 Presentation 7 (Stony Brook):
Optimizing Performance and Energy Use of Large Data Systems – Erez Zadok
- 2:15-2:30 Presentation 8 (Rutgers):
Fluid Flow Analysis for Cardiovascular Diagnostics – Scott Kulp and Mingchen Gao
- 2:30-2:45 Presentation 9 (Stony Brook):
A Comprehensive Framework for Visual Multivariate Data Exploration and Analytics - Klaus Mueller
- 2:45-3:00 Presentation 10 (Rutgers):
Contextual Grouping in a Concept: A Multistage Decision Strategy for Electron Microscopy Image Segmentation – Mustafa Gokhan

3:00-3:15 *Break*

- 3:15-3:30 Presentation 11 (Rutgers):
Tracking and Recognition of 3D Human Motion – Mark Dilsizian
- 3:30-3:45 Presentation 12 (Stony Brook):
Health and Accessible Information Technology Research – IV Ramakrishnan

3:45-4:15 *Discussions of Industry Needs and Suggestion for Other Future Projects*

**4:15-5:45 *1) Meet and Greet Poster Session
2) Tour and Demos***

6:00-8:00 *Dinner at Danford's in Port Jefferson*

Thursday, May 10, 2012

8:15-9:00 *Check-In and Continental Breakfast*

**9:00-10:30 *Industry Feedbacks on Projects (Open to All Workshop Participants)*
LIFE FORM Review and Discussion**

All workshop participants

10:30-11:00 *Break and Poster Session*

**11:00-12:00 1) *CDDA Industrial Advisory Board Meeting (Members Only)*
 2) *Tour and Demos (Open to All Workshop Participants)***

12:00-12:30 *Closing Remarks, Review of Action Items (Open to All Workshop Participants)*
 Led by IAB Co-Chairs, NSF and CDDA Directors

12:30-1:30 *Lunch*

1:30 *Adjourn*

1:30-2:30 *Closed Meeting between NSF and CDDA Directors*