

NEURAL ENGINEERING

# Welcome to the IEEE Signal Processing in Medicine and Biology Symposium

## Temple University Philadelphia, Pennsylvania

**December 13, 2014** 

## **Organizing Committee**

## General Chairs:

Joseph Picone (Temple) Ivan Selesnick (NYU-Poly)

- Conference Co-Chair: Charles Rubenstein (Pratt)
- Program Chairs:

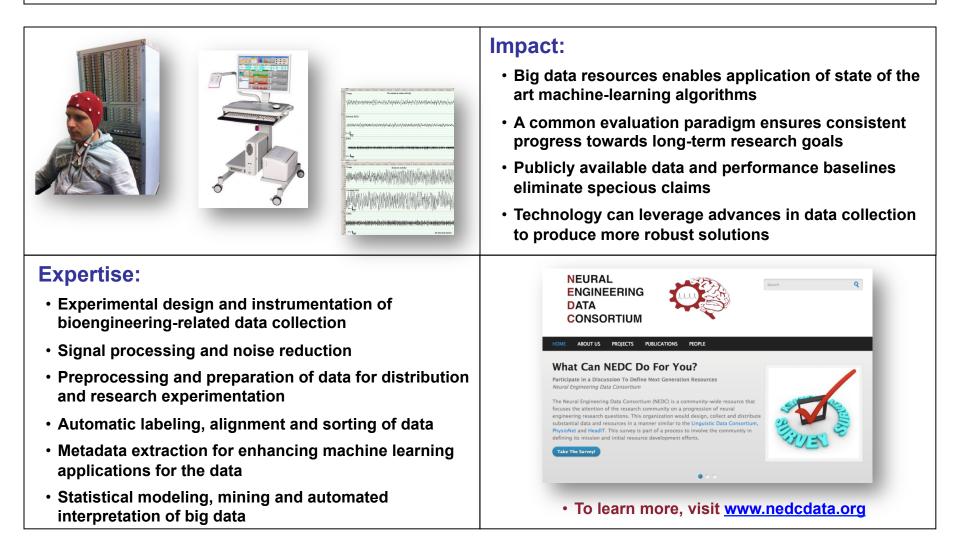
Iyad Obeid (Temple) Mike Mayor (IEEE SP) Gail Rosen (Drexel)

- Publications Chair: Georgios Lazarou (USA)
- Conference Web Site: http://www.ieeespmb.org/2014

## **The Neural Engineering Data Consortium**



Mission: To focus the research community on a progression of research questions and to generate massive data sets used to address those questions. To broaden participation by making data available to research groups who have significant expertise but lack capacity for data generation.



## NEURAL ENGINEERING DATA CONSORTIUM



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#### What Can NEDC Do For You?

Participate in a Discussion To Define Next Generation Resources Neural Engineering Data Consortium

The Neural Engineering Data Consortium (NEDC) is a community-wide resource that focuses the attention of the research community on a progression of neural engineering research questions. This organization would design, collect and distribute substantial data and resources in a manner similar to the Linguistic Data Consortium, PhysioNet and HeadIT. This survey is part of a process to involve the community in defining its mission and initial resource development efforts.



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Take The Survey!



## Symposium Overview

Time	Room	Session
08:00 AM - 08:30 AM	217A	Breakfast
08:30 AM - 09:45 AM	217C	Plenary Talk No. 1
09:45 AM - 10:15 AM	217A	Break No. 1
10:15 AM – 12:00 PM	217C	Lecture Session No. 1
12:00 PM - 01:00 PM	217A	Lunch
01:00 PM – 02:00 PM	217A	Poster Session No. 1
02:00 PM - 03:00 PM	217C	Plenary Talk No. 1
03:00 PM - 03:30 PM	217A	Break No. 2
03:30 PM – 05:15 PM	217C	Lecture Session No. 2
03:30 PM – 05:15 PM	223	Lecture Session No. 3
05:15 PM – 05:30 PM	217C	Closing Remarks

## **Spectral Methods for Brain Imaging and Text Analysis**

Lyle Ungar Professor of Computer and Information Science University of Pennsylvania

Biography: Dr. Lyle Ungar is a Professor of Computer and Information Science at the University of Pennsylvania, where he also holds appointments in several other departments in the Schools of Engineering and Applied Science, Business, Arts and Sciences and Medicine. Dr. Ungar received a B.S. from Stanford University and a Ph.D. from M.I.T. He has published over 200 articles and holds eleven patents. His current research focuses on developing scalable machine learning methods for data mining and text mining, including mining social media to better understand drivers of physical and mental well-being.

