

# Big Data Initiative Workshop (BDIW)

1-2 October

New workshop alert! Hear from the experts, and contribute to the new big data initiative.

Stevens Institute of Technology  
Hoboken, NJ

Thank you for your attendance and participation at the first IEEE Big Data Initiative Workshop (BDIW).

Please find enclosed the presentations. Reference the agenda for each speaker and presentation.

Stay tuned via [bigdata.ieee.org](http://bigdata.ieee.org) for news and opportunities to contribute to the initiative.

Join the big data technical community,

<https://www.ieee.org/membership-catalog/productdetail/showProductDetailPage.html?product=CMYBD766>

Questions or comments? email [k.l.grise@ieee.org](mailto:k.l.grise@ieee.org)

Kathy Grise

IEEE Senior Program Director and IEEE Big Data Initiative program director



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Big data is much more than just data bits and bytes on one side and processing on the other. IEEE, through its Cloud Computing Initiative and multiple Societies has already been taking the lead on the technical aspects of big data. To provide increased value, IEEE will provide a framework for collaboration throughout IEEE.

Welcome to the IEEE Big Data Initiative Workshop (BDIW). BDIW will facilitate the discussion on the definition, scope and potential structure.

Thanks to Stevens Institute of Technology as our workshop hosts. The Stevens campus is situated high on a bluff overlooking the Hudson River and the Manhattan skyline.

<http://www.stevens.edu/sit/>

1-2 October 2014

Stevens Institute of Technology,  
Hoboken, NJ

[bigdata.ieee.org](http://bigdata.ieee.org)



# BDIW Program

**Wednesday, 1 October 2014**

<b>Time</b>	<b>Topic</b>	<b>Speakers</b>	<b>File Name</b>
9 am	Welcome & Opening Remarks	George P. Korfiatis, Provost and University Vice President, Stevens Institute of Technology Mahmoud Daneshmand, Professor, Howe School of Technology Management, Stevens Institute of Technology	----- -----
9:15 am	Introductions and IEEE Big Data Initiative	Roberto Saracco, President of EIT ICTLABS and IEEE Future Directions Committee Chair Kathy Grise, IEEE Senior Program Director	-----
9:30 am	Setting the Stage for Big Data	Roberto Saracco, President of EIT ICTLABS and IEEE Future Directions Committee Chair	BDIW_Saracco
10 am	23 Computing Technologies That Will Shape the World in 2022: Towards a Seamless Intelligence, by Dejan Milojicic, Jacek Zurada	Jacek Zurada, University Scholar and Professor, Department of Electrical and Computer Engineering University of Louisville, IEEE VP – Technical Activities	BDIW_Zurada_IEEE-CS-2022-Report-v42
10:30 am	Analytics for Big Data	Jose' Moura, Professor, Electrical and Computer Engineering Department, and BioMedical Engineering Department, Carnegie Mellon University	BDIW_Moura
11:15 am	Evolving Big Data Use Cases and Technologies: Opportunities and Challenges	Mark Davis, Distinguished Engineer - Dell	BDIW_Davis
12 pm	Lunch		-----
1 pm	IEEE Engineering in Medicine and Biology Society Big Data Interests	Andrew Laine, Professor of Biomedical Engineering, Columbia University, President-Elect - IEEE Engineering in Medicine and Biology Society (EMBS)	BDIW_Laine
1:45 pm	What's Next for Big Data	Dave Belanger, Senior Research Fellow, Howe School of Technology Management, Stevens Institute of Technology	BDIW_Belanger
2:30 pm	IEEE Computational Intelligence Society Perspectives	Xin Yao, Professor of Computer Science, School of Computer Science, University of Birmingham, Director of the Centre of Excellence for Research in Computational Intelligence and Applications (CERCIA), President - IEEE Computational Intelligence Society	BDIW_Yao
3:15 pm	IEEE Reliability Society Perspectives	Christian Hansen, Head of School of Computing and Engineering Sciences, Eastern Washington University, President - IEEE Reliability Society	BDIW_Hansen
4 pm	Dean's Seminar Series: Engineering Problem Solving Beyond Math - Almost	Pete Shainin, the CEO and CTO of the Shainin group	-----
6 pm	Networking Reception and Dinner	All	-----

**Thursday, 2 October 2014**

<b>Time</b>	<b>Topic</b>	<b>Speakers</b>	<b>File Name</b>
8:30 am	Day 1 Recap	Roberto Saracco, President of EIT ICTLABS and IEEE Future Directions Committee Chair	-----
8:45 am	What's Next for Big Data Analytics and IEEE Sensors Council Perspectives	Mahmoud Daneshmand, Professor, Howe School of Technology Management, Stevens Institute of Technology	BDIW_Daneshmand
9:15 am	Connecting Big Data with Data Analytics and IEEE Computer Society Perspectives	Ling Liu, Professor, College of Computing at Georgia Tech	BDIW_Liu
10 am	Discussion: Big Data is much more than bits on one side and processing on the other. How can we better understand Big Data.	Steve Diamond, General Manager, Industry Standards Office and Global Standards Officer, EMC Corporation	BDIW_Diamond
11:15 am	Wrap-up, Next Steps	All	-----
12 pm	Close Workshop		-----

