

Norbert Wiener Panel Session at SMC2014

contributed by Vladik Kreinovich, University of Texas at El Paso

The 2014 IEEE International Conference on Systems, Man, and Cybernetics, held in San Diego on October 6-8, was dedicated to Norbert Wiener, the Father of Cybernetics, in honor of the 120th anniversary of his birth.

To commemorate this anniversary, SMC 2014 featured the Norbert Wiener Panel Session in which recipients of the IEEE SMCS Norbert Wiener Award, the primary research award of the IEEE SMC Society, discussed a broad selection of society-related topics.

The IEEE SMCS Norbert Wiener Award recognizes “significant contributions to research in systems science and engineering, human-machine systems, and/or cybernetics.” The awardees are the research leaders of the SMC Society. Their experience and their opinions are of great interest and great value to all SMC Society members.

During the Norbert Wiener Panel Session, seven recipients of the Norbert Wiener Award were featured:



William B. Rouse
Stevens Institute of Technology

1986 Norbert Wiener Award

"Control and Communication in Animals, Machines, Organizations, and Societies".



Keith Hipel
University of Waterloo

2000 Norbert Wiener Award

"Tackling Climate Change: A Systems of Systems Perspective:



Lotfi A. Zadeh
University of California at Berkeley

2003 Norbert Wiener Award

"Wiener's Cybernetics and Shannon's Information Theory – A Personal Perspective"



Dimitar P. Filev
Ford Motor Company

2008 Norbert Wiener Award

"Evolving Embedded Systems in Cyber-Physical Applications"



Jose del R. Millan
Swiss Federal Institute of Technology in Lausanne

2011 Norbert Wiener Award

"Brain-Machine Interfaces: Perception-Action Closed Loop"



Lawrence O. Hall
South Florida University

2012 Norbert Wiener Award

"Do we need new learning algorithms or just the ability to blend existing ones?"



William A. Gruver
Simon Fraser University

2013 Norbert Wiener Award

"Algorithmic Trading of the Financial Markets: Research and Personal Opportunities"

These exciting presentations were followed by a question and answer session in which many members of the audience actively participated.

Thanks to all the participants of the panel and the attendees for their interesting insights and fruitful discussion.