

National Institute of Standards & Technology (NIST)

**HOW WILL STANDARDS SHAPE THE
DIGITAL ECONOMY/ IoT?
IMPLICATIONS FOR POLICY AND
TEACHING**

STARTING DEFINITION OF A TECHNICAL STANDARD

(consolidated - multiple sources)

*a formal **documented** and industry/market **applied agreement** that contains uniform engineering, technical or performance rules to ensure that materials, products, processes, practices and/or services can be **consistently** produced and used and remain adequate for their purpose **within a given context***

WHO IS HERE TODAY

As intended:

good mix with

- 48% academic/research institutions, 33% industrial organizations (including standards organizations) and 19% government agencies represented
- Varying level of prior experience/expertise in standards; few covering in courses

AGENDA

Day 1

9:30

Welcome

David Eaves, Fellow, Kennedy School, Harvard University (host)

Gordon Gillerman, Director, Standards Coordination Office, National Institute of Standards and Technology (*NIST*)

9:50

Overview of agenda

Jeffrey Strauss, Associate Director, Northwestern BCICS CTIM

LAYING OUT THE CHALLENGES

10:00

Standards for the Digital Economy—The King is Dead. Long Live the King!

Ajit Jillavenkatesa, Senior Standards Policy Adviser, Standards Coordination Office, NIST

10:15

Demands of the Digital Economy and Challenge of Standards Development

A. Industry sector panel

John Halamka, CIO Beth Israel Deaconess Hospital

Nick Sinai, Adjunct Lecturer in Public Policy, Shorenstein Center, Kennedy School, Harvard and Venture Partner, Insight Venture Partners

George Arnold, CEO Tercio Solutions

11:00

B. Standards Perspective

Jeffrey Jaffe, CEO, World Wide Web Consortium (W3C)

Josh Lieberman, Coordinating Architect and Initiative Manager, Open Geospatial Consortium (and lecturer, University of Maryland)

Richard Soley, Chairman and Chief Executive Officer, OMG and Executive Director, Industrial Internet Consortium

Andy Updegrave, Founding Partner, Gesmer Updegrave LLP

Q&A

Day 1 (continued)

12:15 **LUNCH**

Guest speaker: **Alan Davidson**, Director of Digital Economy, U.S. Department of Commerce and Senior Advisor to the Secretary of Commerce

GETTING TO WORK

1:20 **Academic Response and Call to Action**

Craig Murphy, Betty Freyhof Johnson '44 Professor of Political Science, Wellesley College

Tim Simcoe, Associate Professor of Strategy & Innovation, Questrom School of Business, Boston University

JoAnne Yates, Sloan Distinguished Professor of Management, MIT Sloan

2:20 **Breakout Introduction and Expectations**

Patricia Harris, International Standards Specialist, Global Standards Coordination, NIST

2:30pm **Breakouts: Implications for course content/Required Student Preparation**

3:30 **Break**

3:40 **Reports, Open Discussion**

Moderator: **David Eaves**

4:40 **Wrap up and Segue to Day 2**

Jeff Strauss

5:00 **ADJOURN**

Day 2

(8:30 coffee)

9:00 **SIMULATION EXERCISE (INCLUDES 2 WORKING BREAKS)**

Moderator: Jeff Strauss

11:15 **Group reports, discussion of exercise**

12:15 **Wrap up and Next Steps**

Erik Puskar, Manager, Global Standards & Information, Standards Services, NIST

12:30 **ADJOURN**

Special thanks to IEEE for sponsoring this event