

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

**Artificial Intelligence Applications for Older Adults and People with Disabilities:
Balancing Safety and Autonomy**

FORUM ON AGING, DISABILITY, AND INDEPENDENCE

Public Workshop

Keck Center of the Academies
500 Fifth Street, NW, Room 100
Washington, DC 20001

October 24, 2018

AGENDA

9:00 a.m. – 9:15 a.m.

Welcome and Opening Remarks

REBECCA STOECKLE, EDUCATION DEVELOPMENT CENTER
WORKSHOP PLANNING COMMITTEE CHAIR

9:15 a.m. – 10:00 a.m.

Keynote Panel – What is Artificial Intelligence?

Gregory D. Hager
Director, Malone Center for Engineering in Healthcare
Mandell Bellmore Professor, Department of Computer Science
Johns Hopkins University

Keynote Q&A with Audience

10:00 a.m. – 10:30 a.m.

Consumer Panel (“What do people want?”)

MODERATOR: MAJD ALWAN, LEADINGAGE

Speakers:

- Brian Bard, Administration for Community Living

10:30 a.m. – 10:45 a.m.

Break

10:45 a.m. – 12:00 p.m.

Panel 1: Creating Smart Communities

MODERATOR: CATHY BODINE, UNIVERSITY OF COLORADO

Key topic areas:

- *Housing (sensors, assistants, etc.)*
- *Transportation (public transportation, etc.)*
- *Interfaces with AI (natural language processing, physical design, etc.)*

Speakers:

- Victor Calise, New York City Mayor's Office for People with Disabilities
- Henry Claypool, Independent Consultant
- Jon Sanford, Georgia Tech, School of Industrial Design
- Gwo-Wei Torng, U.S. Department of Transportation

Q&A with Audience

12:00 p.m. – 12:45 p.m. Lunch

12:45 p.m. – 2:00 p.m. Panel 2: Promoting Health and Well-Being and Providing Care

MODERATOR: ROBERT JARRIN, QUALCOMM, INC.

Key topic areas:

- *Health Care Workforce Impact*
- *Improving Data and Care Coordination*
- *Effective Communication*
- *Empowering Individuals/Caregivers*
- *Reducing Social Isolation/Loneliness*
- *Impact on functional and cognitive decline*

Speakers:

- Jesse M. Ehrenfeld, American Medical Association
- Amanda Lazar, University of Maryland
- Robyn Stone, LeadingAge

Q&A with Audience

2:00 p.m. – 2:15 p.m. Break

2:15 p.m. – 3:30 p.m. Panel 3: Assuring Peace of Mind

MODERATOR: CHRISTINA FITZPATRICK, AARP

Key topic areas:

- *Ethics and privacy*
- *Preventing harm*
- *The potential to perpetuate (or reduce) bias*
- *Regulation*

Speakers:

- George Demiris, University of Pennsylvania College of Nursing
- Melissa Goldstein, George Washington University
- Gloria Ramsey, Johns Hopkins University
- Ruoyi Zhou, IBM

Q&A with Audience

3:30 p.m. – 4:45 p.m.

Moving Towards User-Centered Design

MODERATOR: STEPHEN EWELL, CONSUMER TECHNOLOGY ASSOCIATION FOUNDATION

Key topic areas:

- *How is the voice of the consumer heard? (Co-Design)*
- *Where does research need to happen?*
- *What unusual partnerships need to be formed?*

Speakers:

- Gina Miller, SeniorPortal
- Gary Schultz, SDI Technologies Inc. – iHome (invited)
- Jutta Treviranus, Inclusive Design Research Centre, OCAD University
- Thuc Vu, OhmniLabs

4:45 p.m.

Closing Remarks

5:00 p.m.

Adjourn

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