



Stony Brook University

Department of Civil Engineering & School of Social Welfare



National Science Foundation (NSF)  
Research Coordination Network (RCN)  
Workshop



## Smart and Connected Communities (S&CC) and Aging Population

April 19-20, 2018, Hilton Garden Inn, Stony Brook University

### Day 1 (Thursday, April 19)

8:00 – 9:00 | Breakfast

9:00 – 9:15 | Welcoming Remarks

- **Fotis Sotiropoulos** – Dean, College of Engineering and Applied Sciences, Stony Brook University
- **Jacqueline Mondros** – Dean, School of Social Welfare, Stony Brook University

9:15 – 11:00 | The Landscape for the Smart & Connected Communities (S&CC) and Aging Population

- **Kaan Ozbay**, Professor/Director, Connected Cities with Smart Transportation (C2SMART) University Transportation Center, New York University.  
– *What is S&CC?*
- **Wendy Nilsen**, Professor/Director, NSF Smart and Connected Health Program  
– *S&CC & Aging Population: The U.S. Perspective*
- **Knud Erik Skouby**, Professor/Director, Center for Communication, Media and Information technologies, Aalborg University-Copenhagen.  
– *S&CC & Aging Population: The European Perspective*
- **Anil Yazici**, Assistant Professor, Civil Engineering, Stony Brook University  
– *The NSF Research Coordination Network and the Scope*

11:00 – 11:15 | Break

11:15 – 12:15 | S&CC and Health

- **Zachary Morris and Melissa Bessaha**, Assistant Professors, School of Social Welfare, Stony Brook University  
– *Characteristics and Needs of Lonely Adults Aging in Place in the US: Exploring Data from the Health and Retirement Study*
- **Fuad Abujarad**, Assistant Professor of Emergency Medicine, Yale School of Medicine.  
– *E-Referral for Community Complex Care Response Team to Improve Geriatric Public Health Outcomes*



Department of Civil Engineering & School of Social Welfare

**12:15 – 1:15 | “Open-Mic” Lunch**

*Light lunch will be served, and the podium will be available for any workshop participant or community member to comment on or discuss issues related to the workshop theme*

**1:15 – 3:15 | S&CC and Mobility of Older Adults**

- **Lyndsie M. Koon**, Post-Doctoral Research Associate, Human Factors & Aging Laboratory, University of Illinois Urbana-Champaign
  - *The Potential for Smart and Connected Communities to Support Transportation Needs of Adults Aging with Sensory or Mobility Impairments*
- **Alycia I. Bayne**, Senior Research Scientist, NORC at the University of Chicago.
  - *Increasing Access to Transportation in Rural Communities: The Rural Transportation Toolkit*
- **Virginia Dize**, Program Director & Co-Director, National Aging and Disability Transportation Center (NADTC)
  - *The National Aging and Disability Transportation Center (NADTC) and Inclusive Coordinated Transportation Planning*
- **Karen Alexander**, Managing Director, New Jersey Travel Independence Program - NJTIP @ Rutgers, Alan M. Voorhees Transportation Center, Rutgers University. (*In Collaboration with Andrea Lubin, Elizabeth Harvey, Joshua O'Neal*)
  - *Growing Older, Better... What's Mobility Got to Do with It?*

**3:15 – 3:30 | Break**

**3:30 – 4:30 | Housing**

- **Marty Bell**, National Aging in Place Council (NAIPC)
  - *The Right Home*
- **Minh Hoai Nguyen**, Assistant Professor, Computer Science, Stony Brook University
  - *Early Recognition and Prediction of Human Activities for Homes of the Future*

**4:30 – 5:00 | Public Discussion and Networking**



**Day-2 (Friday, April 20)**

**8:00 – 9:00 | Breakfast**

**9:00 – 10:30 | Vehicle Technologies and Aging Population**

- **David Eby**, Research Professor, University of Michigan Transportation Research Institute (UMTRI) *(Co-Authors: Lisa J. Molnar, Jennifer Zakrajsek, Lindsay Ryan, Nicole Zanier Renée M. St. Louis, Sergiu Stanciu, David LeBlanc, Lidia P. Kostyniuk, Jacqui Smith, Raymond Yung, Linda Nyquist, Carolyn DiGuseppi, Guohua Li, Thelma J. Mielenz, and David Strogatz)*  
– *In-Vehicle Technologies and Older Drivers*
- **John Sobanjo**, Director, Center for Accessibility and Safe Transportation for an Aging Population FAMU-FSU College of Engineering  
– *Multi-disciplinary research on transportation for the aging population in Florida: Technology and Future Directions*
- **Neil Charness**, Director, Institute on Successful Longevity, Florida State University *(Co-Authors: Dustin Souders, Neil Charness, Nelson Roque & Hellen Pham)*  
– *Do Advanced Driver Assistance Systems (ADAS) Improve Older Driver Performance?*

**10:30 – 10:45 | Break**

**10:45 – 12:15 | Emergency Services & Safety**

- **Arda Vanli**, Associate Professor, Industrial Engineering, FAMU-FSU College of Engineering. *(Co-Author: Danielle Nicholson)*  
– *Spatial Analytical Approaches to quantify uncertainty in community vulnerability models*
- **Jude Charlton**, Director, Monash University Accident Research Center (MUARC), Australia. *(Co-Authors: Jennie Oxley, Sjaan Koppel, Selby Coxon)*  
– *Creating age-friendly communities to support safe mobility for an ageing population*
- **Eren Erman Ozguven**, Assistant Professor, Civil and Environmental Engineering, FAMU-FSU College of Engineering.  
– *Evacuating and Sheltering Older Adults: Lessons to Be Learned towards Smarter Emergency Response*

**12:15 – 1:15 | “Open-Mic” Lunch**

*Light lunch will be served, and the podium will be available for any workshop participant or community member to comment on or discuss issues related to the workshop theme*



Department of Civil Engineering & School of Social Welfare

**1:15 – 2:45 | Technology Solutions for Older Adults**

- **Alex Glazebrook**, Director of Technology and Training, Older Adults Technology Services (OATS)  
– *Technology Adoption & Empowerment Strategies for Older Adults in Urban, Suburban, and Rural Environments*
- **Katherine Freund**, President, Independent Transportation Network of America (ITNAmerica)  
– *Independent Transportation Network of America at 1,000,000 rides: What have we learned?*
- **Joseph Chow**, Assistant Professor, Civil and Urban Engineering, New York University  
– *City-scalable Destination Recommender System for On-demand Senior Mobility*

**2:45 – 3:00 | Break**

**3:00 – 4:00 | Roundtable discussion – Future plans for the RCN**