

Technology and Dementia, a preconference to AAIC, will convene researchers and members of the industry interested in technology research and development, including mobile technology, home-based technology and social networking. Sessions explore various types of technologies as tools to support innovative study design in research and as interventions for persons living with dementia and their care partners. The program consists of invited speakers, as well as oral and poster presentations from submitted abstracts. A reception will follow for registered attendees. *British Summer Time; In-Person Attendance Only*

## Organizing Committee

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This preconference is organized by the Technology and Dementia Professional Interest Area (PIA) of the International Society to Advance Alzheimer's Research and Treatment (ISTAART).

*Chair:*

**Ian Cleland**, Ulster University, United Kingdom

*Vice-Chair:*

**Jason Hassenstab**, Washington University  
In St. Louis, United States

*Programs Chair:*

**Sayeh Bayat**, University Of Calgary, Canada

*Communications Chair:*

**Vanessa Young**, UT San Antonio- Health Science  
Center, United States

*Student Representative:*

**Ollie Fegter**, Northwestern University Feinberg  
School Of Medicine, United States

*Student Representative:*

**Yolanda Lau**, University College London,  
United Kingdom

*General Committee Member:*

**Zhang Zhang**, Johns Hopkins University,  
United States

*Immediate Past Chair:*

**Allison Lindauer**, Oregon Health & Science  
University, United States

*PIA Scientific Advisor:*

**Ozama Ismail**, Alzheimer's Association, United States

*ISTAART Specialist Staff:*

**Jodi Titiner**, Alzheimer's Association, United States

## Target Audience

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Researchers invested in the development, validation, and implementation of technological products and services for individuals affected by dementia.

## Learning Objectives

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- » Describe how emerging low-burden and passive technologies (e.g., wearables, speech analytics, multimodal biomarkers) are enabling scalable and continuous assessment of cognitive and functional health in dementia.
- » Explain advances in data-driven approaches, including machine learning and multimodal integration, for early detection, risk stratification, and longitudinal monitoring of dementia across diverse populations.
- » Identify key translational, ethical, and implementation challenges in deploying real-world technologies for dementia care, including issues of accessibility, sustainability, and industry collaboration.

## Registration

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Preconferences are offered for in-person attendance only. Preconferences require a separate registration fee in addition to AAIC full conference registration, or they may be purchased as stand-alone events. Visit [alz.org/AAIC](http://alz.org/AAIC).

## Agenda

8-8:45 a.m. **Light Breakfast And Poster Setup**

8:45-9 a.m. **Welcome And Opening Remarks**  
Ian Cleland, *Chair Technology And Dementia PIA*

## Part 1 - Technology For Dementia: From Signals To Solutions

9-9:30 a.m. **Keynote: Seeing Parkinson's Coming:  
The Power Of AI And Smartwatch Data**  
Moderator: Ian Cleland  
Speaker: Cynthia Sandor

9:30-10 a.m. **Data Blitz: Rapid Insights From Emerging Research**  
Moderators: Ollie Fegter, Zhang Zhang  
Speakers: Samhita Katteri, Lili Fang, Juanita Puentes, Abidemi Otaiku, Ryan Falck, Gonzalo Pérez, Anu Kumar, Magdalena Kolanko, Shimaa Heikal, Zampeta-Sofia Alexopoulou

10-10:30 a.m. **Coffee Break And Poster Viewing**

10:30-11:15 a.m. **Scientific Session: Wearables In The Wild: Sleep, Activity,  
And Multimodal Sensing For Dementia Risk And Progression**  
Moderator: Sayeh Bayat  
Speakers: Yue Leng, Derek Hill, Marirena Bafaloukou

11:15 a.m.-Noon **Panel: From Innovation To Impact -  
Industry/Academic Perspectives On Scaling Dementia Technologies**  
Moderator: Vanessa Young  
Speakers: Paul Maruff, TBC

Noon-1:30 p.m. **Networking Lunch And Poster Viewing**

## Part 2 - Artificial Intelligence Interactive Symposium

1:30-1:40 p.m. **Introduction And Context Setting**  
Jason Hassenstab, *Vice-Chair Technology And Dementia PIA*

1:40-2:45 p.m. **Expert Talks Followed By Q&A**

2:45-3:45 p.m. **Small Group Breakout Sessions**  
Facilitators: Sarah Biber, Jason Hassenstab

# Agenda

3:45-4 p.m.

**Coffee Break And Poster Viewing**

4-5:15 p.m.

**Reports From Breakouts And Key Takeaways**

Moderator: Sarah Biber

5:15-5:30 p.m.

**Technology And Dementia Awards And Closing Remarks**

5:30-7 p.m.

**Networking Reception** (Riverview Suite)

*Joint Event With Alzheimer's Imaging Consortium Preconference*

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The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART) is a diverse global network of scientists, clinicians and dementia professionals. Members of this professional organization share common goals: the pursuit of knowledge, collaboration and breakthroughs to advance the research and treatment of Alzheimer's disease and other dementias.

## Register now to access exclusive member benefits:

- 30 unique Professional Interest Areas (PIAs) that connect members with common subspecialties, providing a flexible forum to learn and collaborate.
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- Continuing Education (CE) and Continuing Medical Education (CME) opportunities, including in-person workshops, webinars and podcasts.
- Free membership for students and individuals in low- and middle-income countries.
- And more.

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Questions? Contact [ISTAART@alz.org](mailto:ISTAART@alz.org).

INTERNATIONAL SOCIETY TO ADVANCE ALZHEIMER'S  
RESEARCH AND TREATMENT (ISTAART)

**ISTAART**  
ALZHEIMER'S ASSOCIATION