TECHNOLOGY and AGING

Innovation for Independence and Inclusion

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American Aging Association (AGE)
American Society on Aging (ASA)
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**TECHNOLOGY and AGING WORKGROUP**
David Lindeman
CITRIS University of California
Co-Chair

Charlene C. Quinn
University of Maryland School of Medicine
Co-Chair

Gloria Gutman
International Society for Gerontechnology

William D. Kearns
International Society for Gerontechnology

Alex Mihailidis
AGE-WELL Network of Centres of Excellence

Greg O’Neill
The Gerontological Society of America

Vera Rulon
Tir Health Advisors LLC

Andrew Sixsmith
AGE-WELL Network of Centres of Excellence
Welcome to San Francisco, home to many of the largest technology companies in the world and an amazing innovation ecosystem! This city provides the ideal setting for the IAGG 2017 World Congress Technology and Aging Day (Tech Day), sponsored by Otsuka America Pharmaceutical, Inc. and Avanir Pharmaceuticals.

The rapid growth in the population of older adults is now a global phenomenon. Technology has the potential to help a growing proportion of older adults maintain independence and increase control of their environments. This one-day program brings together leading companies, gerontologists, and entrepreneurs engaged in developing technology solutions to improve the lives and well-being of older adults.

Today’s program is very special, and has been in the making for over a year. It was created by a volunteer Workgroup to bring together leading-edge technologies, global, public-, and private-sector perspectives, and the best research in the field. The presentations and technologies represented today showcase thoughtful, evidence-based solutions from around the globe, many of which are already being adopted, and all of which can be scaled regionally, nationally, and even globally to improve the well-being of older adults.

Our program will feature:

• Symposia on key innovations in robotics, autonomous vehicles, virtual and augmented reality, predictive analytics, and other emerging technologies
• Symposia on the major global opportunities and challenges in technology for aging
• A unique one-hour program allowing you to hear brief (one-minute) presentations from some of the best new researchers in the aging and technology space
• “Startup Alley” - a day-long dedicated exhibit hall right outside our doors in which attendees can experience technological innovation first-hand
• A capstone startup pitch event, featuring some of the best new companies in the field
• Many opportunities to socialize and network with company representatives, policymakers, technologists, and researchers

We hope that you take full advantage of the program, as well as opportunities to meet, learn from, and share ideas with leaders in the field.

Sincerely,

David Lindeman, PhD
Co-Chair, Technology and Aging Day at IAGG
Director, CITRIS University of California

Charlene C. Quinn, PhD
Co-Chair, Technology and Aging Day at IAGG
Associate Professor, University of Maryland School of Medicine

“We are just beginning to realize the full benefits that can be derived from technology and data analytics for the benefit of older adults.”

- David Lindeman
AGENDA
* Agenda subject to change.

8:30 am – 8:40 am
Welcome Remarks and Program Overview

David Lindeman, PhD
Co-Chair, Technology and Aging Day at IAGG
Director, CITRIS University of California

Charlene C. Quinn, PhD
Co-Chair, Technology and Aging Day at IAGG
Associate Professor, University of Maryland
School of Medicine

Kabir Nath, MBA
President & CEO
Otsuka North America Pharmaceutical Business

8:40 am – 9:00 am
Opening Keynote: The Promise of Technology in Aging

Joseph F. Coughlin, PhD
Founder and Director
AgeLab, Massachusetts Institute of Technology

9:00 am – 9:50 am
Using Robots to Address the Psychosocial, Health and Functional Needs of Older Adults

Moderator
William D. Kearns, PhD
President
International Society for Gerontechnology

Speakers
Elizabeth Broadbent, PhD
Associate Professor
University of Auckland

Takanori Shibata, PhD
Chief Senior Research Scientist, AIST
Professor, Tokyo Institute of Technology
Visiting Fellow, AgeLab, MIT

Esther Salichs, MSc
Senior Research Scientist
Carlos III University of Madrid, Spain

9:50 am – 10:20 am
Networking Break and Startup Alley Stroll

Startup Alley – Our innovative, immersive exhibit hall in which attendees can experience technological innovation first-hand.

10:20 am – 11:10 am
Autonomous Vehicles: The Next Stage of Independence

Moderator
Steve Ewell, MBA
Executive Director
Consumer Technology Association Foundation

Speakers
Dan Trigub, BA
Healthcare Partnerships
Lyft, Inc.

Jessica Nigro, BA
Manager, Outreach and Innovation Policy
Daimler North America Corp.

Robbie Diamond, MA
President and CEO
Securing America’s Future Energy (SAFE)

11:10 am – 12:15 pm
IAGG Symposium: Technology and Aging – Promising Solutions, Global Challenges

Moderator
David Lindeman, PhD

Speakers
Alex Ross, MSPH
Director
World Health Organization Centre for Health Development

Andrew Sixsmith, PhD
Scientific Director
AGE-WELL Network of Centres of Excellence

Stephen Johnston, MBA
Co-Founder
Aging2.0

12:15 pm – 1:00 pm
Lunch/Networking Break – Startup Alley Stroll
1:00 pm – 1:50 pm
Co-Designing Technologies for Older Adults: Working with Stakeholders

Moderator
Vera Rulon, MS
Founder & Owner
Tir Health Advisors LLC

Speakers
June Fisher, MD
Chief Elder Officer
Aging2.0

Jody Holtzman, MA
Senior Vice President, Market Innovation
AARP

MaryAnne Sterling, BS
Principal
Sterling Health IT Consulting

Sherwin Sheik, MBA
President & CEO
CareLinx, Inc.

1:50 pm – 2:50 pm
Minute Madness: Breaking Technology Research from New Investigators

Moderator
Alex Mihailidis, PhD
CEO & Scientific Director
AGE-WELL Network of Centres of Excellence

Speakers
Featuring Speed Presentations from New Investigators

2:50 pm – 3:10 pm
Break and Startup Alley Stroll

3:10 pm – 4:00 pm
Advances in Analytics: Voice Recognition, Predictive Analytics, Machine Learning

Moderator
Alex Mihailidis, PhD

Speakers
Christopher Nugent, PhD
Head of School of Computing Mathematics
Ulster University

Frank Rudzicz, PhD
Scientist, Toronto Rehabilitation Institute
Assistant Professor, University of Toronto

Stephen Intille, PhD
Associate Professor
Northeastern University

4:00 pm – 4:45 pm
Global Technology Policies and Regulations: Emerging Issues

Moderator
TBD

Speakers
Laura B. Dunn, MD
Professor of Psychiatry and Behavioral Sciences
Stanford Center on Longevity

Timothy Peters-Strickland, MD
Senior Director
Global Clinical Development
Otsuka Pharmaceutical

Murray Zucker, MD
Health Care Consultant

4:45 pm – 5:00 pm
Closing Keynote

Christine K. Cassel, MD
Planning Dean
Kaiser Permanente School of Medicine

5:00 pm – 6:00 pm
Reception in Startup Alley

Sponsored by

6:00 pm – 8:00 pm
Pitch Competition
(Coordinated by AGE-WELL NCE and Aging2.0)

The focus of the pitch competition is to bring the worlds of academia and tech startups closer together. Select entrepreneurs will have the opportunity to present a compelling five-minute pitch about their investment-ready company to a panel of expert judges. The pitch competition is hosted by AGE-WELL NCE and Aging2.0, in partnership with the IAGG 2017 World Congress, and supported by Otsuka America Pharmaceutical, Inc.
TECHNOLOGY AND AGING

TECHNOLOGY AND AGING DAY

KEYNOTE SPEAKERS

OPENING KEYNOTE SPEAKER

JOSEPH F. COUGHLIN, PhD
Founder and Director
AgeLab, Massachusetts Institute of Technology

Joseph F. Coughlin, PhD is Founder and Director of the Massachusetts Institute of Technology (MIT) AgeLab. He teaches in MIT’s Department of Urban Studies & Planning and the Sloan School’s Advanced Management Program.

Dr. Coughlin conducts research, speaks, and consults on the impact of global demographic change and technology trends on consumer behavior, business innovation, and public policy. He produces the online publication Disruptive Demographics. He was named by the Wall Street Journal as one of “12 pioneers inventing the future of retirement...,” and by Fast Company Magazine as one of the “100 Most Creative People in Business.” He is one of “50 thought leaders, innovators, writers, advocates, experts, and others that are changing how we age and think about aging,” selected to Next Avenue’s list of Most Influential People in Aging. His new book, The Longevity Economy: Inside the World’s Fastest Growing, Most Misunderstood Market, is forthcoming in 2017 from Public Affairs Press.

CLOSING KEYNOTE SPEAKER

CHRISTINE K. CASSEL, MD
Planning Dean
Kaiser Permanente School of Medicine

Christine K. Cassel, MD is the Planning Dean of the Kaiser Permanente School of Medicine. Previously, she was the President and CEO of the National Quality Forum.

She is a leading national expert in geriatric medicine, medical ethics, health policy, and quality of care. Dr. Cassel is one of 20 scientists chosen by President Obama to serve on the President’s Council of Advisors on Science and Technology (PCAST), which advises the President on science, technology, and innovation relevant to responsible and effective policy.

Among her many professional achievements and honors, Dr. Cassel is a member of the Institute of Medicine, was President of the American College of Physicians, Chair of the American Board of Internal Medicine; President of the American Federation for Aging Research; and was a member of the Advisory Committee to the Director at the National Institutes of Health. She has served on the boards of directors of Kaiser Foundation Health Plan and Hospitals, Premier Inc., and the Greenwall Foundation.

“For life-changing technology like automated vehicles to succeed and become ubiquitous in the U.S., we need regulators at both the state and federal levels to keep pace with engineers.”

- Jessica Nigro
TECHNOLOGY AND AGING DAY
CO-CHAIRS

DAVID LINDEMAN, PhD
Director
CITRIS, University of California

David Lindeman, PhD, is the Director of Health at the Center for Information Technology Research in the Interest of Society (CITRIS), UC Berkeley, and is the Director of the Center for Technology and Aging (CTA).

Dr. Lindeman has worked in the field of aging and long-term care for over 30 years as a health services researcher and gerontologist, conducting research related to health care technology, assistive technologies, chronic disease management, healthy aging, disabilities, dementia, community-based and residential services, long-term care workforce, and family caregiving. Dr. Lindeman’s current research focus is on the incubation, start-up, and scaling of technology-enabled solutions for older adults, including initiatives that address critical health care challenges through mHealth, sensors, telehealth, assistive technologies, data analytics, and precision health. These technology-enabled solutions cover a continuum of health care, aging and disability issues, ranging from wellness to complex chronic conditions, with an emphasis on global applications.

Dr. Lindeman serves as an advisor to foundations, government agencies, businesses, and venture firms. Dr. Lindeman previously served as the founding Director of the Mather LifeWays Institute on Aging; Associate Professor of Health Policy at the Rush Institute for Healthy Aging, Rush University Medical Center; and Co-Director of the UC Davis Alzheimer’s Disease Center. Dr. Lindeman received his PhD and MSW from the University of California, Berkeley.

CHARLENE C. QUINN, PhD
Associate Professor
University of Maryland
School of Medicine

Dr. Quinn is an experienced geriatric nurse and health services researcher, with training from Duke University, University of Maryland, and Johns Hopkins School of Hygiene and Public Health.

A former White House Fellow and senior Federal executive she has extensive government, business, and research experience in health services policy, gerontology, and health delivery technologies. The focus of her funded research is the development of new approaches to the treatment of chronic diseases and conditions common among older adults. Dr. Quinn collaborates with private sector companies (start-ups to publically traded) and non-profits to evaluate mobile health interventions.

Dr. Quinn’s research experience enables her to study conditions of aging implementing clinical trials, employing epidemiologic methods to analyze large data sets, and applying health services research methods to federal and private insurance claims data to study service utilization and costs. Dr. Quinn’s research team reported one of the first randomized clinical trials of mobile (phone) diabetes management for persons with Type 2 diabetes treated by community providers. Dr. Quinn’s current research focuses on technology applications in palliative care, caregiver education, medication adherence, and interventions to prevent unnecessary hospitalization of older adults.
TECHNOLOGY AND AGING DAY

SPEAKERS

KABIR NATH, MBA
President & CEO
Otsuka North America
Pharmaceutical Business

Kabir is a senior commercial leader with more than 25 years of broad international biopharma and devices experience who has shaped strategy and delivered results in complex, challenging business environments at country, regional and global levels.

He has lived and worked in the U.K., France, Spain, India, Singapore, China and the US. Kabir joined Otsuka to head the North American pharmaceutical business in March 2016, with direct responsibility for Otsuka America Pharmaceutical, Inc., Avanir and Otsuka Canada. Before joining Otsuka, Kabir spent 13 years in leadership roles at Bristol Myers Squibb. Most recently he was Senior Vice President, Virology, Transplant & Optimized Brands, responsible for the commercialization of a significant portfolio – including drugs for HIV, hepatitis B and hepatitis C and immunosuppression - in the USA.

Previously he was Senior Vice President, Global Commercialization - Virology & Neuroscience, leading global strategy for these two disease areas. In addition he served as interim head of Emerging Markets for much of 2012. Kabir holds an MA from King’s College, University of Cambridge, and an MBA with Distinction from INSEAD.

WILLIAM D. KEARNS, PhD
President
International Society for Gerontechnology

Dr. William Kearns is an Associate Professor in Rehabilitation and Mental Health Counseling at the University of South Florida.

He is the President of the International Society for Gerontechnology, which is dedicated to the creation of technologies to help persons live well and to a great age. The International Society for Gerontechnology membership hails from 26 nations and its researchers’ and practitioners’ professional affiliations include engineering, medicine, and the humanities among many others.

From 1992 to 2003, Professor Kearns was the Director of Information Technology at the Louis de la Parte Florida Mental Health Institute and was the University of South Florida’s representative to the national Internet2 project, which has as its aim the creation of the next generation high speed computer network for education and research.

Professor Kearns’ research interests include the use of advanced indoor and outdoor spatial tracking technologies to detect subtle variations in long-term ambulation patterns that have been empirically demonstrated to be related to varying degrees of cognitive impairment. Such variations in movement, observed longitudinally, can reveal the presence of dementia or, conversely, signal healing in traumatic brain injury cases.

Innovation is complex. We need a shift in research culture from science AND innovation to a culture of innovative science that combines research excellence and real-world outcomes and impact.

- Andrew Sixsmith
ELIZABETH BROADBENT, PhD
Associate Professor
University of Auckland

Dr. Elizabeth Broadbent is an Associate Professor in Health Psychology in the Faculty of Medical and Health Sciences at the University of Auckland, New Zealand.

She initially trained as an electrical and electronic engineer to pursue her interest in making personal robots. After becoming interested in the psychological aspects of illness and in psychoneuroimmunology, she obtained her MSc and PhD in health psychology. She now combines her health psychology and robotics interests to study healthcare robotics.

Dr. Broadbent heads the human-robot interaction work-stream within the multidisciplinary CARES robotics group at the University of Auckland. Over the past ten years, this group has worked to develop and test healthcare robots for older people within resthomes, as well as in the community. This work has shown that robots can help to alleviate loneliness, reduce blood pressure, and increase adherence to medication and exercise programs.

In 2010, Dr. Broadbent was a visiting academic at the school of psychology at Harvard University and in the Program in Science, Technology, and Society at Massachusetts Institute of Technology in Boston. In August 2017, she will return to Boston with a Fulbright award for four months to continue her research in this area.

TAKANORI SHIBATA, PhD
Chief Senior Research Scientist, AIST
Professor, Tokyo Institute of Technology
Visiting Fellow, AgeLab, MIT

Dr. Takanori Shibata received B.S., M.S. and Ph.D. degrees in Electronic and Mechanical Engineering from Nagoya University in 1989, 1991 and 1992, respectively. He was a research scientist at AIST from 1993 to 1998. He also was a visiting research scientist at the Artificial Intelligence Lab., Massachusetts Institute of Technology from 1995 to 1998, and a visiting research scientist at the Artificial Intelligence Lab., Univ. of Zurich in 1996.

At the AIST, Dr. Shibata was a senior research scientist from 1998 to 2013. He was the Deputy Director for Information and Communication Technology Policy, Bureau of Science, Technology, and Innovation Policy, Cabinet Office, Government of Japan from 2009 to 2010.

His research interests include human-robot interaction, robot therapy, mental health for astronauts on long-term missions (e.g. to Mars), and humanitarian de-mining. He was certified as the inventor of a seal robot named PARO, the World’s Most Therapeutic Robot, as determined by Guinness World Records in 2002. He has received many awards, including Robot of the Year from the Ministry of Economy, Trade and Industry, Japan in 2006, Outstanding Young Person of the world by Junior Chamber International in 2004, and the Japanese Prime Minister’s Award in 2003. In 2015, PARO was awarded the “Patient Trophy” in recognition of innovation in non-pharmacological therapy for dementia by the Assistance Publique - Hôpitaux de Paris, France, one of the largest medical groups in the world.
ESTHER SALICHS, MSc
Senior Research Scientist
Carlos III University of Madrid, Spain

Esther Salichs is a PhD student of the RoboticsLab research group at the Department of Systems Engineering and Automation of the Carlos III University of Madrid, Spain.

She is also a Teaching Assistant in this group, specializing in industrial automation. Ms. Salichs received her degree in Industrial Engineering from the Carlos III University of Madrid in 2012 and a MSc in Robotics and Automation with honors in 2014.

Ms. Salichs’ research focuses on the use of robots to improve quality of life in older people. Her current research focuses on developing a cognitive stimulation program employing a social robot with patients who experience cognitive impairment. Her work advances research into psycho-stimulation informatics programming, multimodal perceptual data gathering, and the networking of multiple devices employing the unique social expressivity of robots.

STEVE EWELL, MBA
Executive Director
Consumer Technology Association Foundation

Steve Ewell is the executive director of the Consumer Technology Association (CTA) Foundation, a charitable foundation with the mission of linking seniors and people with disabilities with technology that can enhance their lives. He joined the CTA Foundation in January 2012 and is the first person to hold this position.

Prior to joining the CTA Foundation, Steve served in other nonprofit leadership roles. He was managing director of the InfraGard National Members Alliance (INMA), a public-private partnership with the FBI focused on promoting and developing critical infrastructure protection, with 86 chapters and more than 40,000 members.

While at Business Executives for National Security (BENS), Steve served as the director of the Metro Washington, DC region where he built the membership in DC, Maryland, and Virginia into one of the largest and most active regions in the organization through a wide variety of policy engagements and programs.

“A co-design process with the user and designer requires respect and understanding of both life experience and technical expertise.”

- June Fisher
DAN TRIGUB, BA  
Healthcare Partnerships  
Lyft, Inc.

Dan Trigub leads healthcare partnerships on the west coast for Lyft with a focus on elder mobility and finding new and innovative solutions to leverage the Lyft platform for the aging population.

Before Lyft, Dan spent time working in Business Development at eBay and before that founded several companies, including OpenPlacement, which is a care-coordination platform that allows hospital professionals to connect with post-acute care providers, such as senior communities for their patients upon discharge.

Before being an entrepreneur, Dan worked in consulting and also was an Associate at GCA Savvian Advisors, an M&A and Capital Advisory Investment Bank in San Francisco, where he represented emerging technology, digital health, and healthcare facility companies. Dan holds a degree in economics from Vassar College.

JESSICA NIGRO, BA  
Manager, Outreach and Innovation Policy  
Daimler North America Corp.

Jessica F. Nigro is the head of Outreach and Innovation Policy in Daimler’s Washington, DC office. In this capacity, she drives the company’s policy efforts on future technologies such as automated driving and advanced mobility systems, as well as developing strategic partnerships with NGOs, government and diplomatic entities, and business partners throughout the US.

Prior to her current role, Ms. Nigro spent three years at Daimler’s headquarters in Stuttgart, Germany working with sales colleagues on projects in politically-risky markets. While there, she also created a company-wide human rights program currently being implemented in all countries in which Daimler has production. Ms. Nigro served as both the Director of Programs and the Director of Travel and Tourism at the U.S. Chamber of Commerce. She began her career in the Strategic Communications and Public Affairs office at the Transportation Security Administration, Department of Homeland Security, and served as Field Manager of that office, directing the nationwide strategic and crisis communications efforts as the Department stood up after the September 11, 2001 attacks.

Ms. Nigro received a BA in International Affairs and Conflict Resolution from The George Washington University in Washington, DC, and has studied at Queen’s University Belfast in Northern Ireland. Originally from New York, Ms. Nigro moved to the DC area in 2000.
In 2006, he came together with Frederick W. Smith, Chairman, President, and CEO of FedEx Corporation, and General P.X. Kelley, USMC (Ret.), 28th Commandant of the Marine Corps, to form SAFE’s Energy Security Leadership Council, a group of prominent business leaders and retired senior military officers dedicated to combating the nation’s dangerous dependence on oil.

Diamond is also the President and CEO of the Electrification Coalition, a nonpartisan, not-for-profit group of business leaders committed to promoting policies and actions that facilitate the deployment of electric vehicles on a mass scale.

Mr. Ross is Director of the WHO Kobe Centre (WKC), a global think tank focusing on research related to universal health coverage, innovation, and aging populations.

The Centre uses cross-disciplinary approaches to promote frugal social, technological, and systems innovations, to create communities of practice and to share lessons globally. WKC organized two major WHO Global Forums on Innovation for Aging Populations in 2013 and 2015. Mr. Ross has worked in a number of senior positions in WHO (Director for Partnerships and UN Reform; Office of the Assistant Director-General for Communicable Diseases and for HIV/AIDS, TB and Malaria), in the UK Department for International Development, and in the U.S. Government (USAID, Department of Health and Human Services, and Congress).

He has been a key player in developing a number of global health initiatives and partnerships, including the creation of the Global Fund to Fight AIDS, TB and Malaria, UNITAID, and the WHO “3x5” Initiative, and in developing innovative financing strategies for global health.

Mr. Ross received his BSPH and MSPH degrees from the University of California in Los Angeles (UCLA), with specializations in health systems, planning, and policy.

“As we develop new solutions, let’s ask older adults what they need to help them with their quality of life and what is important to them.”

- Vera Rulon
Technology can support older adults through a variety of activities and tasks, helping to restore their independence and dignity, while giving families piece of mind.

- Alex Mihailidis
Ms. Vera Rulon is founder and owner of Tir Health Advisors, LLC. Her areas of expertise include healthy longevity, patient advocacy and engagement, and use of personal health information to improve outcomes, with a focus on the use of technology to advance these areas.

Prior to starting her own company, Ms. Rulon spent 18 years at Pfizer Inc. in various capacities, including strategic communications for Pfizer Medical, Chief of Staff for Pfizer’s U.S. external medical affairs team, and team leader advancing Pfizer Research & Development’s electronic clinical trial documentation systems globally. At Pfizer, Ms. Rulon led the technology and aging focus area for the Center of Excellence for Active and Healthy Aging. Before Pfizer, she managed the clinical informatics team at Oxford Health Plans.

Ms. Rulon currently is the chair-elect of the AHIMA Foundation Board of Directors, a past president of the American Health Information Management Association (AHIMA), and a Fellow of AHIMA. She is the recipient of AHIMA’s Distinguished Member award, the AHIMA Visionary Triumph Award, and was designated as a PharmaVoice 100 change agent.

Dr. June Fisher is an internist and occupational health physician. She has done extensive user-based research with bus drivers and healthcare workers. The latter project was a co-design project involving frontline nurses.

She was a lecturer for 10 years in the product design program at Stanford University. With her own aging and limited mobility, she has broadened her interest in co-design to design for aging. She is currently a chief elder officer with Aging2.0, and a visiting lecturer in product design at San Francisco State University.

To assist her explorations in design for aging and mentoring of students, she has developed an alliterative list of A’s for Aging: Autonomy, Authenticity, Activism, Aesthetics, Acknowledgment, Acceptance, Assistance, Affordability, Aloneness, Adaptation, and Agitation.

“How an older person uses their space can tell you a great deal about their cognition, their recovery from traumatic brain injury, and even their likelihood of falling, and we have barely scratched the surface.”

- William D. Kearns
Innovation for Independence and Inclusion

JUNE FISHER, MD
Chief Elder Officer
Aging2.0

Dr. June Fisher is an internist and occupational health physician. She has done extensive user-based research with bus drivers and healthcare workers. The latter project was a co-design project involving frontline nurses. She was a lecturer for 10 years in the product design program at Stanford University. With her own aging and limited mobility, she has broadened her interest in co-design to design for aging. She is currently a chief elder officer with Aging2.0, and a visiting lecturer in product design at San Francisco State University.

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JODY HOLTZMAN, MA
Senior Vice President, Market Innovation
AARP

Jody Holtzman has over twenty-five years of experience helping companies develop and implement competitive strategies and achieve their strategic market goals.

At AARP, he created and leads the Market Innovation group, where he has brought a non-traditional perspective to the field of aging shaped by a 20-year career in strategy, innovation, and organizational change. As head of Market Innovation at AARP, Jody’s focus is to find ways for AARP to spark innovation in the market that benefits people over 50. In this role, he envisioned and developed the concept of the $7.6 billion Longevity Economy; created and built the Health Innovation@50+ LivePitch franchise through which 23 finalists raised over $145 million in venture investment; and he co-founded and launched the Longevity Network, www.longevinitynetwork.org, with United Healthcare.

Prior to creating the Market Innovation initiative, Jody led AARP’s Research and Strategic Analysis department, and created AARP’s first competitive intelligence group. Before joining AARP, Jody was in senior leadership roles in several strategy-consulting firms, including Pricewaterhouse Coopers, FutureBrand, and Strategy Dynamics Group. His work has been recognized in the Financial Times, Bloomberg Businessweek, Fortune, Forbes, New York Times, PBS News Hour, CNBC, NPR Marketplace, Marketwatch, VentureBeat, MedCity News, Information Week, Xconomy, and other media.

He has a graduate degree in international political economy from the University of Chicago.

MARYANNE STERLING, BS
Principal
Sterling Health IT Consulting

Ms. MaryAnne Sterling was a caregiver and healthcare advocate for her parents for 20+ years. She is a renowned speaker and educator on family caregiver issues and dementia, as she and her husband have 3-out-of-4 parents affected by the disease. She is an outspoken advocate of person-centered healthcare transformation, family caregiver empowerment, and improved Alzheimer’s education. Her personal story has been featured in Kiplinger, New York Times, USA Today, and the Wall Street Journal.

Ms. Sterling serves as Patient Research Partner and Ambassador for the Patient Centered Outcomes Research Institute (PCORI), and Advisor for the National Alzheimer’s & Dementia Patient & Caregiver-Powered Research Network, bringing the voices of patients and family caregivers to medical research as we move closer to precision medicine. She is Co-founder of Connected Health Resources and CEO of Sterling Health IT Consulting, focused on health policy and information technology, health literacy, consumer/patient engagement, and communication.

She received her Bachelor’s Degree in Biology and Biotechnology from the University of Nebraska at Omaha. You can follow her on Twitter at @SterlingHIT.
SHERWIN SHEIK, MBA  
President & CEO  
CareLinx, Inc.

As the Founder and CEO of CareLinx, Inc., Sherwin Sheik understands the challenges of arranging nursing and companion care for a loved one. His oldest sister has Multiple Sclerosis, and at one point, she was quadriplegic and blind. His uncle suffered from Amyotrophic Lateral Sclerosis (ALS), or Lou Gehrig’s disease, and progressed to the point where he required 24/7 in-home nursing care.

CareLinx is revolutionizing healthcare by extending the healthcare system into patients’ homes via its nationwide network of tech-enabled caregivers using its propriety digital care plan technology.

Prior to founding CareLinx, Sherwin worked and invested in the healthcare industry for over 15 years. His business interests centered on large healthcare corporations while working as a healthcare trader for a $900 million hedge fund and in healthcare investment banking.

ALEX MIHAILEDIS, PhD  
CEO & Scientific Director  
AGE-WELL Network of Centres of Excellence

Alex Mihailidis, Ph.D., P.Eng., is the Barbara G. Stymiest Research Chair in Rehabilitation Technology at the University of Toronto and Toronto Rehab Institute.

He is also the Scientific Director of the AGE-WELL Network of Centres of Excellence, which focuses on the development of new technologies and services for older adults. He is an Associate Professor in the Department of Occupational Science and Occupational Therapy (U of T) and in the Institute of Biomaterials and Biomedical Engineering (U of T), with a cross appointment in the Department of Computer Science (U of T).

He has been conducting research in the field of pervasive computing and intelligent systems in health for the past 15 years, having published over 150 journal papers, conference papers, and abstracts in this field. He has specifically focused on the development of intelligent home systems for elder care and wellness, technology for children with autism, and adaptive tools for nurses and clinical applications.

“There will be increasingly few challenges in the future, especially in technology and aging, that won’t require a cross-disciplinary approach.”  
- Frank Rudzicz
Innovation for Independence and Inclusion

ALEX MIHAILIDIS, PhD
CEO & Scientific Director
AGE-WELL Network of Centres of Excellence

Alex Mihailidis, Ph.D., P.Eng., is the Barbara G. Stymiest Research Chair in Rehabilitation Technology at the University of Toronto and Toronto Rehab Institute. He is also the Scientific Director of the AGE-WELL Network of Centres of Excellence, which focuses on the development of new technologies and services for older adults. He is an Associate Professor in the Department of Occupational Science and Occupational Therapy (U of T) and in the Institute of Biomaterials and Biomedical Engineering (U of T), with a cross appointment in the Department of Computer Science (U of T). He has been conducting research in the field of pervasive computing and intelligent systems in health for the past 15 years, having published over 150 journal papers, conference papers, and abstracts in this field. He has specifically focused on the development of intelligent home systems for elder care and wellness, technology for children with autism, and adaptive tools for nurses and clinical applications.

CHRISTOPHER NUGENT, PhD
Head of School of Computing & Mathematics
Ulster University

Dr. Christopher Nugent is the Head of the School of Computing and Mathematics and holds the position of Professor of Biomedical Engineering.

He received a Bachelor of Engineering in Electronic Systems and DPhil in Biomedical Engineering both from Ulster University. Dr. Nugent joined Ulster University as a Research Fellow in 1999 and was appointed as Lecturer in Computer Science in 2000. Following this, he held the positions of Senior Lecturer and Reader within the Faculty of Computing and Engineering before his appointment as Professor of Biomedical Engineering in 2008. From 2015-2017, Dr. Nugent was the Director of the Computer Science Research Institute. In 2016, he was awarded the Senior Distinguished Research Fellowship from Ulster University.

Dr. Nugent’s research within biomedical engineering addresses the themes of the development and evaluation of technologies to support ambient assisted living. Specifically, this has involved research in the topics of mobile based reminding solutions, activity recognition and behavior modeling, and, more recently, technology adoption modeling.

He has published extensively in these areas, with papers spanning theoretical, clinical, and biomedical engineering domains. He has been a grant holder of research projects funded by National, European and International funding bodies. He is the Group Leader of the Smart Environments Research Group and the co-Principal Investigator of the Connected Health Innovation Centre at Ulster University.

FRANK RUDZICZ, PhD
Scientist, Toronto Rehabilitation Institute
Assistant Professor, University of Toronto

Dr. Frank Rudzicz is a Scientist at the Toronto Rehabilitation Institute (University Health Network), an Assistant Professor of Computer Science at the University of Toronto, Co-founder and President of WinterLight Labs Inc., and President of the international joint ACL/ISCA special interest group on Speech and Language Processing for Assistive Technologies.

Dr. Rudzicz is the recent recipient of the Young Investigator award from the Alzheimer’s Society of Canada, the Early Researcher award from the Government of Ontario, and the Excellence in Applied Research award from Speech-Language & Audiology Canada. His work involves machine-learning, human-computer interaction, speech-language pathology, rehabilitation engineering, signal processing, and linguistics. Significant contributions include: i) the TORGO database of disordered speech, ii) the first speech recognition system for people with speech disorders that models physical speech articulation, iii) subsequent communication aid software that modifies hard-to-understand speech signals to be more understandable to the typical listener, iv) design of the speech interaction for hitchBOT, the hitch-hiking robot, and LUDWIG, the caregiver robot, and v) state-of-the-art machine learning software that can assess cognitive disorders, such as Alzheimer’s disease, by analyzing short samples of speech.

Dr. Rudzicz is currently commercializing several of these contributions.
STEPHANE INTILLE, PhD
Associate Professor
Northeastern University

Stephen Intille, PhD, is an Associate Professor in the College of Computer and Information Science and Bouvé College of Health Sciences at Northeastern University. His research focuses on the development of novel healthcare technologies that incorporate ideas from ubiquitous computing, user-interface design, pattern recognition, behavioral science, and preventive medicine. Areas of special interest include technologies for measuring and motivating health-related behaviors, technologies that support healthy aging and well-being in the home setting, and mobile technologies that permit longitudinal measurement of health behaviors for research, especially the type, duration, intensity, and location of physical activity.

Dr. Intille received his PhD from MIT in 1999, working on computational vision at the MIT Media Laboratory, an S.M. from MIT in 1994, and a B.S.E. degree in Computer Science and Engineering from the University of Pennsylvania in 1992. He has published research on computational stereo depth recovery, real-time and multi-agent tracking, activity recognition, perceptually-based interactive environments, and technology for healthcare.

Dr. Intille has been principal investigator on sensor-enabled health technology grants from the NSF, the NIH, foundations, and industry.

LAURA B. DUNN, MD
Professor of Psychiatry and Behavioral Sciences
Stanford Center on Longevity

Laura B. Dunn, M.D. is Professor of Psychiatry in the Department of Psychiatry and Behavioral Sciences at Stanford University, where she serves as the Director of Stanford’s Geriatric Psychiatry Fellowship Program and Director of the Geriatric Psychiatry Outpatient Clinic.

Dr. Dunn has extensive research and clinical experience in the evaluation and management of older adults with a broad range of mood, anxiety, behavioral, and neurocognitive disorders. She also has extensive research and clinical expertise in psycho-oncology.

She has served as a Principal Investigator, Co-Investigator, or consultant on many NIH- and foundation-funded studies on issues in empirical ethics, geriatric psychiatry, and psycho-oncology. Dr. Dunn is a paid consultant for Otsuka America Pharmaceutical, Inc.

Engage older adults in the design and testing processes.

- Elizabeth Broadbent
Dr. Zucker is a psychiatrist and consultant to the healthcare industry advising on product development, marketing, and distribution, as well as connecting start-ups with investors.

His career has spanned academia (faculty at UCLA), private practice (headed a large multidisciplinary group practice), and corporate health care delivery (medical director with United Health). He has been a leader in promoting medical and behavioral integration and bringing innovation and new technologies to behavioral health. His involvement in geropsychiatry dates back to his psychiatric residency when he was co-founder of the GeroPsych Clinic at UCLA and did research on the early presentation of Alzheimer’s disease and medication trials for dementia treatment.

As medical director for TelePsychServices (a product of Optum Health Behavioral Solutions), he helped bring telepsychiatric services to nursing homes, rural clinics, correctional institutions, residential treatment facilities, medical homes, and other areas of need. Dr. Zucker is a paid consultant for Otsuka America Pharmaceutical, Inc.

Technology can be leveraged to make the process much more informative from a data analytics standpoint and the overall process more efficient/scalable.

- Sherwin Sheik
Challenge the myths about older adults and their interest and use of technology.

- Charlene C. Quinn