ISG2018 PROGRAM
HILTON BAYFRONT HOTEL,
ST PETERSBURG, FLORIDA MAY 7-11, 2018

MAY 7TH, 8:30AM – RM: GRAND BAY BALLROOM

Opening Ceremony & Keynote 1

Alex Mihailidis, Ph.D P.Eng.

Leading the Way in Gerontechnology: New Approaches and Promising Solutions

MAY 7TH, 10:00AM – 8:30PM RM: ST. PETERSBURG BALLROOM & LOBBY

Start of Poster Session 1 (See end of program for poster list)

MAY 7TH, 10:30AM – RM: GRAND BAY BALLROOM

Presidential Symposium

W. KEARNS (Convenor). Building creative gerontechnology research funding to support international collaborations. Participants: E. FEMIA (USA), N. MAGLAVERAS (GR), A. SIXSMITH (CN).

MAY 7TH, 1:00PM – RM: GRAND BAY BALLROOM

Symposium


MAY 7TH, 1:00PM – RM: BAYBORO

Symposium

N. CHARNES (Convener). Use of gerontechnology to support “successful aging”. Participants: W. R. BOOT (USA), S. J. CZAJA (USA), W. A. ROGERS (USA), J. SHARIT (USA), H-W. WAHL (Germany), J-S. YOON (South Korea).
1:00pm Paper Session 1: Games and Virtual Reality – Rm: Demens

G. Sacco, M. Thonnat, G.B. Sadoun, P. Robert; An approach with serious exergames for assessment and stimulation of patients with neurocognitive disorders

J.L. Birkland, J.A. Brown; The life course theory of digital gaming and the ICT user typology

P. Joddrell, A.J. Astell; Evaluating the effectiveness of tailored accessibility settings for people living with dementia in touchscreen games

A.M. Hernandez, M. Steele, P. Loganathan, A.J. Astell; InTouch: Introducing touchscreen applications to people with advanced dementia through staff-client co-play

1:00pm Paper Session 2: Technology for Health – Rm: Williams

S. Giraud, C. Consel, A. Carteron, N. Volanschi; Towards empowering caregivers to customizing home assistive support for older adults – A preliminary study of an end-user language for assistive services

H. Chen, J.Y. Shirie, N. An, S.E. Levkoff; Self-directed learning: Promises and challenges of an online course for dementia caregivers

G. Seckin, T. Degreve, J.S. Wyatt, J. Laljer; Digital route to successful aging: Promoting health through information technology

A. Aboujadoude, P. Belchior, C. Menard, M. Luissier, M. Couture, L. Demers, C. Auger, H. Pigot, M. Caouette, D. Luissier-desrochers, N. Bier; Understanding the factors associated with the use of Gerontechnology by occupational therapists across Canada

1:00pm Paper Session 3: Social Robotics – Rm: Hilton Training Centre 3

E. Harrington, H.M. Do, G. McCall, H. Boevers, A.J. Bishop, W. Sheng; Older adult interaction with social robots: implications for socio-emotional well-being

E. Boevers, G. McCall, E. Harrington, H. Do, A.J. Bishop, W. Sheng; Exploring older adult concerns regarding acceptance and use of social companion robots

G. McCall, E. Boevers, E. Harrington, A.J. Bishop, H. Do, W. Sheng; Emergent themes in the likes and dislikes of social robots expressed by older adults

K. Ishihara, S. Ishihara; A talking teddy bear for encouraging the elderly to talk with back-channeling
1:00pm

**Paper Session 4: Design – Rm: Hilton Training Centre 4**

C.I. ROJAS, D.F. JIMENEZ; *Participatory processes as a strategy to create a training test for attentional processes in older adults*

P. CASTRO, D.M. FROLICH, G.A. MARTINS, C. LIM, R.P. FORTES; *Designing for a diversity of older people in Brazil and the UK*

L. LOISELLE, J. KRUL; *Better together: Enhancing technology through collaborative design*

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**MAY 7TH, 3:00PM – Rm: GRAND BAY BALLROOM**

Keynote 2: Jeffrey Kaye, MD

*Making Pervasive Computing Pervasive*

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**MAY 7TH, 5:00PM – Rm: BAYBORO**

**Symposium**

*W.R. BOOT* (Convener). Insights into the measurement of mobile device proficiency across cultures. Participants: A. PETROVČIČ (Slovenia), W.R. BOOT (USA), N.A. ROQUE (USA).

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**MAY 7TH, 5:00PM – Rm: GRAND BAY BALLROOM**

**Symposium**

*W. ROGERS* (Convener). Technology design to support successful aging with disability. Participants: *J. SANFORD* (USA), *M. HARRIS* (USA), *M. GANDY* (USA), *C. REBOLA* (USA), *C. CONSEL* (France).

5:00pm

**Paper Session 5: Sensors and Monitoring – Rm: Demens**

W.D. KEARNS, J.L. FOZARD, A. KUMAR; *Longitudinal analysis of ALF resident wandering using real-time location services: Results of a yearlong study*

J. ROUSSEAU, J. MEUNIER, A. ST-ARNAUD, N. LAPIERRE; *An intelligent video monitoring system: from an idea to the home implementation to detect falls.*

G. ADEN-BUIE, A. YALCIN, C. VANDEWEERD; *Unsupervised behavior change detection using passive sensor systems in the homes of older adults*
K. TAMAMIZU, S. SAKKIBARA, S. SAIKI, M. NAKAMURA, K. YASUDA; *A machine learning approach to recognizing indoor activities based on the detection of environmental change*

5:00pm

**Paper Session 6: Internet and Social Media – Rm: Williams**

S. AARTS; *The next step in studying social media usage and loneliness: developing a questionnaire to assess social media usage in older age*

N. MORA, G. MATRELLA, P. CIAMPOLINI; *Behavioural analysis based on IoT home sensors*

G. GUTMAN, S. MOCK, B. DE VRIES, A. HUME. J. GAHAGAN, L. CHAMBERLAND, J. FAST, E. WALKER; *The role of internet technology in social integration and end-of-life planning of LGBT older adults*

B.R. SZYMANSKI, J.E. PACHANKIS, H.Q. LIN, B.R. LEVY; *Cruelty on social networking sites: greater sensitivity of older adults*

5:00pm

**Paper Session 7: Cognition, Dementia, and Intervention – Rm: Hilton Training Center 3**

Y.R. PARK, K.S. PARK, S.Y. HONG; *The effectiveness of social activity model for dementia prevention and the needs for developing smart care programs in Korea*

M. HEEMSKERK, A. RANDHAWA; *Point of therapeutic care: Collaborative digital art network.*

H. OWENS, D. KAUFMAN; *The power of digital storytelling: Benefits and opportunities for people living with dementia*

Y. PAN, N. SIMONIAN, R. BELENO, L. LIU, D KAUFMAN, A. ASTELL.; *Impact of digital storytelling experience among people living with dementia*

5:00pm

**Paper Session 8: Personal Mobility – Rm: Hilton Training Center 4**


A. AGUIRREZABAL, D. ASHLEY, R. ALQASEMI, S. CAREY, S. SUNDARAO, R. DUBEY; *Enhanced control to improve navigation and manipulation of power wheelchairs*

F. RASOULI, K.B. REED; *Crutch tip that provides assistive motion based on downward force*

D.E. HUIZENGA, I. HANDZIC, R. EDGEWORTH, M. LAZINSKI, T. RAMAKRISHNAN, D. ROSE, S.H. KIM, K.B. REED; *Gait enhancing mobile shoe*
ISG2018 Program
May 8th, 2018

**MAY 8TH, 8:30AM – RM: GRAND BAY BALLROOM**

Keynote 3: Goldie Nejat, PhD, P.Eng

Let Us Help You: *The Development of Intelligent Socially Assistive Robots as the Next Generation of Healthcare Helpers*

**MAY 8TH, 10:00AM – 5:30PM RM: ST. PETERSBURG BALLROOM & LOBBY**

START OF POSTER SESSION 2 (SEE END OF PROGRAM FOR POSTER LIST)

**MAY 8TH, 10:30AM – RM: GRAND BAY BALLROOM**

*Symposium*


**MAY 8TH, 10:30AM – RM: BAYBORO**

*Symposium*

N. BIER, P. BELCHIOR (Co-conveners). An integrative approach to understand the use of technology to support functional autonomy in cognitively impaired older adults. Participants: M. COUTURE (Canada), P. BELCHIOR (Canada), N. BIER (Canada), M. LUSSIER (Canada).

10:30am

**Paper Session 9: Robotics – Rm: Demens**

L. DUPUY, W.A. ROGERS; *Evaluating the potential of socially assistive robots for healthy older adults*

J. FRANCIS, S.A. HUSSAIN, S.R. COTTON; *A privacy paradox: Potential barriers and benefits of telepresence robot use among older adults*

J. SEBASTIAN, Y. COLINDRES, Y.L. HSU; *From a tool to a companion - Evaluation on the effect of a robotic user interface for a voice-command companion robot*

J. SEBASTIAN, Y-L. HSU; *Talking to the home: IT infrastructure for a cloud-based robotic home smart-assistant*
10:30am

Paper Session 10: Technology for Health – Rm: Williams

C.R. SENTEIO, D. SOLTOW HERSHEY, T. CAMPBELL; Diabetes education and intergenerational technology transfer: African American elders using technology to support diabetes self-management

J.N. HAUN, M. CHAVEZ, C. MELILLO, B.A. COTNER, W. HATHAWAY; Improving chronic condition self-care management for older adults leveraging designed electronic health information technology

K-C. LAN, J-X. ZHANG, Y-Z. CHEN, M-C. HU; Smartphone-based acupressure using augmented reality for senior care

10:30am

Paper Session 11: Acceptance and Use – Rm: Hilton Training Centre 3


C.A.L. VALK, M.C. WINTERMANS, Y. LU, M.M. BEKKER, R.G.A. BRANKAERT; Identifying factors for personalized strategies to motivate seniors to adopt a more active lifestyle

A. PETROVČIČ, J. BERZELAK, T. BURNIK, S. TAIPALE, V. DOLNIČAR; Investigating smartphone acceptance factors among seniors with structural equation modelling

A-M. LIPPHARDT, P. HELD, E. LEEN-THOMELE, L. HAIN; ICT enhanced learning for older adults: Influencing factors on satisfaction and the role of learning motivation

10:30am

Paper Session 12: Safety and Rehabilitation – Rm: Hilton Training Centre 4

E.H. ASPNES; Everyday rehabilitation supported by technology

A.A.G. SPONSELEE, T. VAN DE GEIJN, G. WILLEMS; Redesigning the rehabilitative goal-setting process in geriatric rehabilitation by supporting shared decision-making

A. GATTO, S. CAREY, S. SUNDARRAO; Design and development of a wrist-hand orthosis for individuals with a spinal cord injury

R. MOUNIR, R. ALQASEMI, R. DUBEY; Assisting persons with speech impediments using Recurrent Neural Networks
MAY 8TH, 1:00PM – RM: WILLIAMS

Roundtable

The Evolving Role of ISG Chapters amid Challenges Managing Non-profit Member Organizations

Chair: Dr. Colleen Galambos

1:00pm

Paper Session 26: Technology and Independence – Rm: Demens

M. HAUGE, S.T.M PEEK, K.G. LUIJKX; Matching assistive technology to independent-living seniors’ individual needs: challenges and opportunities

A. TSERTSIDIS, E. KOLKOWSKA, K. HEDSTRÖMH; Technologies used by elderly to support aging in place and their functions: A systematic literature review

K. PEPE, A. KABOUTEH, J. GÜTTLER, A. ENGLET, E. SCHULZE, T. LINNER, C. PFEIFER, T. BOCK; Developing and testing an ambient assisted living apartment

S. TOKUNAGA, M. NAKAMURA, M. OTAKE; Using a smart ICT system for supporting elderly at home

1:00pm

Paper Session 27: Technology and Health – Rm: Bayboro

M. SJÖLINDER, A. AVATAARE NÖU, J. FRISTEDT; ICT services for nursing homes – a needs analysis

J. LAURENT-MICHEL, F. CASADO; At the bedside, what you know and what you don’t know: a 3D dataset for ageing studies

R. FUKUDA, T. IWASHA; Service Navigation System (sNs) – A novel nursing care record system

N. SAKIB, X. SUN, C. MENG, N. KONG, C. MASTERSON, H. MENG, K. HYER, M. LI; A data-driven staffing decision platform for improving nursing care operational excellence

MAY 8TH, 3:00PM – RM: GRAND BAY BALLROOM

Keynote 4: Mary Furlong, Ed.D

Blueprint to the Longevity Marketplace
4:00pm

**Paper Session 13: Technology and Health – Rm: Bayboro**

A. BOURBONNAIS, J. ROUSSEAU, M.H. LALONDE, J. MEUNIER, N. LAPIERRE, M.P. GAGNON, D. TRUDEAU; *What to consider when developing gerontechnologies for nursing homes?*

S. KAIJANEN, L. STENBERG; *How to empower old people to join the digitalization of services?*

A.J. ASTELL, S. POTTER, E. PRESTON-JONES, B. BLACK, S. SIMONITE, S. K. SMITH; *CIRCA group programme for dementia: technology delivering cognitive stimulation*

A.P. BLABER, D. XU, N. GOSWAMI, K. TAVAKOLIAN; *Cardio-postural assessment: a tool for an aging population*

4:00pm

**Paper Session 14: Sensors and Monitoring – Rm: Demens**

M. BOWEN, R. MEREDETH; *Wandering behaviours among older adults with cognitive impairment*

N. LAPIERRE, J. MEUNIER, J. FILIATRAULT, A. ST.ARNAUD, M-H. PAQUIN, C. DUCLOS, I. DUBREUCQ, H. MOFFET, M MORIN, M-H. MILOT, C. DUMOULIN, J. ROUSSEAU; *Using a videomonitoring system at home to observe person-environment interactions*

F. KNOEFEL, B. WALLACE, T. NASSER EL HARAKE, N. VALECH, B. TOONDERS, R. GOUBRAN; *Monitoring night wandering in persons with dementia using smart home technology*

S.T. MEJÍA, K.E. NIELSEN, H. ZAINULBHAI, A. CARMICHAEL, V. RAICHUR, R. GONZALEZ; *Insight into intraindividual variability in life space via GPS monitoring of daily activity*

4:00pm

**Paper Session 15: Big Issues in Gerontechnology – Rm: Williams**

A. TINKER; *Ethics in Gerontechnology, past, present and future*

J. KO; *Digital ageing policies of Korea in the fourth Industrial Revolution age*

T. KADYLAK, R.V. RIKARD, S.R. COTTON; *Older adults’ willingness to use emerging technologies*

R. WOOLRYCH, J. SIXSMITH, M. MAKITA, J. FISHER, R. LAWTHOM; *Exploring the potential of smart cities in the design of age-friendly urban environments*
4:00pm

**Paper Session 16: Cognition, Dementia, & Intervention – Rm: Hilton Training Centre 3**

A.J. ASTELL, E. DOVE, C. MORLAND, S. DONOVAN; *DataDay: Digital daily support for people living with dementia*

A.P. VICENTIN, A.C. BONILHA, S. ANDREONI, C. LAMOTH, L.R. RAMOS; *Computer-based intervention effects on cognitive functions in older population; cohort study*

A. DANIAL-SAAD, L. CHIARI; *TATOO – Touchscreen Assessment TOOL for assessing the older adult’s functions while operating the touch screen*

M. ROBERTS, C. VANDEWEERD, J. LOWENKRON, A. YALCIN, E. SAPPINGTON; *Evaluating older adult’s brain health: preliminary results from a clinical trial using novel EEG technology*
MAY 9th, 8:30AM – RM: GRAND BAY BALLROOM

Keynote 5: Paul Webster, PhD

From Cars to Care: Providing Context to the Internet-of-Things and how Industry 4.0 will Revolutionize Future Healthcare

MAY 9th, 10:00AM – 4:00PM RM: ST. PETERSBURG BALLROOM & LOBBY

START OF POSTER SESSION 3 (SEE END OF PROGRAM FOR POSTER LIST)

MAY 9th, 10:30PM – RM: HILTON TRAINING CENTRE 4

Roundtable

Celebrating the Contributions of Dr. Neil Charness – ISG’s Newest Grand Master

Chair: Dr. Walter Boot

MAY 9th, 10:30AM – RM: GRAND BAY BALLROOM

Symposium

H. KÜNEMUND (Convener). From user integration to usage: recent findings and evidence from Germany. Participants: B. KLEIN (Germany), H. KÜNEMUND (Germany), S. MERKEL (Germany), H.-W. Wahl (Germany).

MAY 9th, 10:30AM – RM: BAYBORO

Symposium

J. BOGER (Convener). Caregiver-centered design of gerontechnologies for supporting unpaid care in the community. Participants: O. ATOYEBI (Canada), M. LESLIE (Canada), J. BOGER (Canada).
10:30am

**Paper Session 18: Acceptance and Use – Rm: Demens**

T.M. RAYMUNDO, C.S. SANTANA; *Training of older workers to use technologies: Impact and satisfaction*

M.S. BERNARDES, R.Y.D. CARRETTA, H.T.A. KHAN, C.S. SANTANA; *Personal goals in later life: Opportunities and innovation for an aging society*

J.R. HOFFMAN, V. ROOS, A. STOLS, D.M. BOHMAN; *Older people’s user patterns of mobile phones in South Africa*

10:30am

**Paper Session 19: Design – Rm: Williams**

J. FRÖGREN, M. QUINTANA, P. ANDERBERG, J.S. BERGLUND; *Designing a model app for older persons with cognitive impairment – insights from a usability perspective*

A. DILARA, A. HERNANDEZ, A. ASTELL; *Design recommendations for a self-care app to be used by people with cognitive challenges*

A.J. ASTELL, J. ANDREWS, M. BENNION, D. CLAYTON, E. DOVE, M. P. ELLIS, F. HWANG, C. MCGRATH, E.A. WILLIAMS; *COBALT, TUNGSTEN and THAW; new tools for engaging older adults as technology experts*

B.A. WALKER, N. AZZARITO, K. BROWN, D. BURCHFIELD, K. EBERLY, N. MEERT, M. SEARS; *Exploring the fit between older adults and smartphone use to inform design and practical application*

10:30am

**Paper Session 20: Sensors and Monitoring – Rm: Hilton Training Centre 3**

Y. VERMEER, P. HIGGS, G. CHARLESWORTH; *Surveillance for dementia safety: unclear categories and old designs*

L. DUPUY, H. SAUZÉON; *Ambient assisted living platforms for aging in place: lessons learned from a field study*

H. EHRARI, CJ LANGBERG, H.B. ANDERSEN; *Concerns and tradeoffs in privacy and safety of sensor-based monitoring of older people living at home*

ISG2018 Program  
May 9th, 2018  

MAY 9TH, 1:00PM – RM: GRAND BAY BALLROOM  

Symposium  


MAY 9TH, 1:00PM – RM: DEMENS  

Symposium  

A. STERNS (Convener). Three new approaches to medication adherence to ensure a better self. Participants: A. STERNS (USA), H. KORT (Netherlands), K. CROSSLAND (USA), H. STERNS, Discussant (USA).  

1:00pm  

Paper Session 22: Personal Mobility – Rm: Hilton Training Centre 4  

M.C. WINTERMANS, C.A.L. VALK, R.G.A. BRANKAERT, Y. LU; Not all classrooms have four walls: Analyzing experiences of senior citizens using novel smartphone technology  

H.M. HUA, W.M. WANG, C.Y. WANG, Y.R. WU, P.H. CHEN; Integrated design of smart leisure electric bicycle for middle-aged adults  

K. MADANAGOPAL, M. ERRAGUNTLA, R. MAYER; MySidewalk - Incentivized crowdsourcing to improve walkable communities  

R. ESTRADA, Y. DELAHOZ, G. JOHSON, M. LABRADOR; A water-on-floor detection system for the elderly and the visually impaired  

1:00pm  

Paper Session 23: Technology for Health – Rm: Williams  

W. SUN, D. DORAN; Using mobile health technologies to support safer client care in the community  

Y. SCHIKHOF, L.S.G.L. WAUBEN; The need for new personal alarm systems and implementation lessons  

N. NEUBAUER, C. DAUM, R. BELENO, B. ALOISIO, E. STROULIA, L. LIU; Community ASAP – Usability of a localized area alert system for missing older adults  

G. SECKIN, J.S. WYATT, JESSIE LALJER, T. DEGREVE; E-Health literacy, trust, and online health information consumerism among technogenerians: A question of empowerment
1:00pm

**Paper Session 24: Gaming and Virtual Reality – Rm: Hilton Training Centre 3**

Y. AFACAN, J. ONYANGO; *Using virtual reality to promote positive feelings of elderly*

M. STEELE, A. HERNANDEZ, P. JODDRELL, E. DOVE, A.J. ASTELL; *InTouch: People with dementia enjoy touch screen applications*

M. NAKAMURA, S. SAKAKIBARA, S. SAIKI, K. YASUDA, M. YOKOTA; *Generating personalized dialogue in a Virtual Care Giver for home dementia care*

N. MANA, O. MICH, M. FERRON; *Are mid-air gestures perceived as strenuous when used to interact with mobile technology by older adults?*

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**MAY 9TH, 2:30PM – RM: GRAND BAY BALLROOM**

*Closing Ceremony & Preview of ISG 2020*
POSTER SESSION 1
May 7th, 2018
St. Petersburg Ballroom & Lobby

Health and Self-Esteem

- P.A. FRIEDMAN, B. SCHULTZE, S. KOZIOL, K. SCHUBERT; The reminding walker cognitive orthotic device: Engineering & functional testing.
- E.R. HARRELL, W.R. BOOT; The influence of participant and intervention characteristics on adherence to technology-based cognitive interventions
- Y. LEE, W. SHIM; A usability evaluation of a posture transducer without back pressure
- J.M. MCMATH, M.L. RICE; Technology adoption in older adults: An application of the Transtheoretical Model in the technology domain
- B. MOTT, S. CAREY; Evaluating the effectiveness of orthoses in adults with rheumatoid arthritis: A systematic review
- F. NEGIN, J. BOURGEOIS, P. ROBERT, F. BREMOND; A gesture recognition framework for cognitive assessment
- N. NEUBAUER, P. AZAD-KHANEHGAH, L. LIU; What do we know about strategies to manage dementia-related wandering?

Housing and Daily Activities

- C.M. GALAMBOS, M. RANTZ, A. CRAVER, M. BONGIORNO, M. PELTS, J.S. JUN; A qualitative examination of older adult and family member perceptions of living with intelligent sensors

Late Breakers

- A.L. BAILEY, T.F. WADDELL; Grandpa vs. Google: Examining advice seeking preferences in the iGen Generation
- S.J. PARK, S. HONG, D. KIM, Y. SEO, I. HUSSAIN; Intelligent in-car health monitoring system for elderly drivers
- K.A. THEURER, J. KRUL; Overcoming social isolation through peer support programming: development of a digital prototype

Work and Leisure

- J. DUPIRE, A.A. SPONSELEE; Elderly people, video games and accessibility - When old, I will (still) be a gamer
Health and Self-Esteem

- A. DAS, J. REITAN; Telehealth follow-up of patients with chronic conditions: Implications concerning patient perceived wellbeing
- E. DOVE, A. HERNANDEZ, K. COTNAM, P. GURAL, T. SHEARER, M. STEELE, A.J. ASTELL; Impacts of a volunteer-based tablet program in adult day centres for people with dementia
- C. HUANG, C-L. CHEN; Design and evaluation of the armrest of an assistive sofa for older adults
- R-H. PAN, Y-F CHEN; A video-based m-health system incorporating video visits, multidisciplinary care, and social supports
- C.S. SANTANA, M.M.C. BIANCHI; Sense of safety by older adults living alone using a personal alarm system
- C.S. SANTANA, G. LEESON; The stressors in the use of everyday technologies from the perspective of the elderly user: A comparative study of UK and Brazil
- L. SKÅR, S. SÖDERBERG; The importance of ethical aspects when implementing eHealth services in healthcare
- L. SNAPHAAN, I. GEERTS, L. BURGMANS, I. BONGERS; Are people with dementia motivated for a serious game?

Late Breakers

- S.A. MCGLYNN, J.Q. HARTLEY, T.L. MITZNER, W.A. ROGERS; Guidance from exercise instructors for designing remotely-led classes for older adults with mobility impairments
- L.J. PHILLIPS, M.E. BOWEN; Technology-enhanced adaptive living space for aging-in-place research, education, and patient care

Transportation and Personal Mobility

- P. BET, P.C. CASTRO, M.A. PONTI; Screening fall risk with acceleration data
- S. ISHIHARA, Y. TOKUTOMI, M. NAGAMACHI, K. MORINAGA, K. ISHIHARA, A. KANBE; A low-cost standing aid robot with linear actuators
- C. QU, W. ZHANG, T. NIU; Design of a wearable airbag system to prevent fall injuries for older adults
- W.L. ZHANG, C. QU; Review on the development of technology for protecting older adults from injury caused by accidental falls

Work and Leisure

- D-R. CHEN; Using somatosensory games to improve the health of the elderly in the community
- Y. PAN, C. XIONG, A.J. ASTELL; Touchscreen game play in Chinese Mandarin-speaking persons living with dementia
POSTER SESSION 3  
May 9th, 2018  
St. Petersburg Ballroom & Lobby

Health and Self-Esteem

- C. CRUIKSHANK; E-learning online for caregivers who are unable to leave their homes or jobs easily
- E. DOVE, C. HAWCO, S. YONUS, A.J. ASTELL; Teaching and implementing motion-based technologies for people with dementia
- S. FRENNERT; Literature review: The current levels of understanding of interactive robotics
- E.L. PARKHURST, L. CONNER, A.D. KAPLAN, E. OLCUM, A. ERCOLINO, J.C. FERRARO, R. BRYAN, N. USZAK, F. MONTALVO, P. BARGMANN, J.A. SMITHER; Online training for the establishment and operation of brain fitness clubs
- L. SNAPHAAN, I. BONGERS; The Virtual Reality Relax Tour as relaxation tool in community dwelling dementia care
- P. WEITZMAN, S. LEVKOFF; An evaluation of web-based safe sex education for older divorced women.

Housing and Daily Activities

- S. ISHIHARA, Y. KAWACHI, K. ISHIHARA, A. KANBE, R. ITSUKI; VR powered wheelchair maneuverability evaluation of an elder care facility

Late Breakers

- N. MANA, G. SCHIAVO, M. FERRON, O. MICHI; Investigating redundancy in multimodal interaction with tablet devices for older adults
- V. ORSO, F. VIERO, L. GAMBERINI; Elderly-centered guidelines for mHealth apps for food intake

Transportation and Personal Mobility

- M.Y. SHADE, N. MANLEY, J. BORON, K. KYPZYK, C. PULLEN; Ease of use and perceived usefulness of medication reminder apps in aging adults
- E. FU, B. ROSKOS, S. SICKLER; Older adults who use GPS: What makes wayfinding easier for them?
- R. MIYAZAKI, K. MORINAGA, S. ISHIHARA, A. KANBE, K. ISHIHARA; Pseudo color mapping of foot plantar pressure transition and estimation of ankle flexibility

Work and Leisure

- H.M. HUA, T.S. SHEU, Y.R. WU; Innovation university interdisciplinary courses design and care service of older adults