

**2016 MOST&JST-ICT for Accessibility and Support of Older People**  
**April 11-13, 2016**  
**Workshop Venue: EE Building NCKU, Tainan, Taiwan**

Activities	
Day 1: Monday 11th April 2016	
08:30-09:00	<b>Registration</b>
<b>09:00-11:35: Opening Session (joint session)</b> <i>Venue: EE Building-F. C. ROOM-(1F)</i>	
09:15-09:35	<b>Opening Remarks</b> <i>Dr. Huey-Jen Jenny Su, Office of the President , National Cheng Kung University</i> <i>Dr. Yi-Bing LIN, Deputy Minister , Ministry of Science and Technology</i> <i>Mr.Kouji KOJIMA, Director of Department of International Affairs, Japan Science and Technology Agency</i> <i>Dr. Shu Ti Chiou, Health Promotion Administration, Ministry of Health and Welfare</i>
09:45-10:30	<b>Keynote Lecture from Taiwanese side</b> <b>Telehealth for the elderly in Taiwan</b> <i>Dr. Min-Huei (Marc) Hsu, Counselor, Ministry of Health and Welfare, Taiwan</i>
10:30-10:45	<b>Coffee Break</b>
10:45-11:30	<b>Keynote Lecture from Japanese side</b> <b>Role of Advanced ICT for Hyper Aged Society</b> <i>Dr. Michitaka Hirose, Professor, Graduate School of Information Science and Technology, the University of Tokyo</i>
11:30-11:45	<b>Photo Session</b>
11:45-13:00	<b>Working Lunch</b> <i>venue: EE Building-L.Y. ROOM-(B1F)</i>
Concurrent Group Sessions	
<p><i>Two Working Groups sessions will be established to prepare observations and recommendations of the Workshop</i></p> <p><i>20 minutes for presentation + 5 minutes for Q&amp;A and comments for each.</i></p> <p><i>Presentation help participants to share your research background and encourage the following discussion, by presenting:</i></p> <ol style="list-style-type: none"> <li><i>(1) Social background of your research such as a social problem(s) or social challenge(s) faced by Japan / Taiwan</i></li> <li><i>(2) Research project which your team is conducting to solve the social problem(s)</i></li> <li><i>(3) Solution for the social problem which your research team aims to find out through the said project</i></li> <li><i>(4) Competence which you expect of your future foreign research partners to achieve the goal</i></li> </ol> <p><i>Discussion may include:</i></p> <ol style="list-style-type: none"> <li><i>(1) Importance of research in this field,</i></li> <li><i>(2) Potential research areas or topics for future joint research and possible Japan-Taiwan joint research projects.</i></li> </ol>	

(3) Necessity of Japan-Taiwan collaboration and expected synergistic effects, and  
 (4) Possible composition of research teams and scientific contribution from Japan / Taiwan

<b>Session1:</b> <b>Smart Assistive technology and Service Platform for Social Participation of the Elderly</b> <i>Chair &amp; Moderator: Dr. Jia-Jin Chen</i> <i>Dr. Yeh-Liang Hsu</i> <i>Dr. Hirokazu Kato</i> <i>Dr. Atsushi Hiyama</i> <b>Venue: EE Building-F. C. ROOM-(1F)</b>		<b>Session2:</b> <b>Smart Assistive Technology and Service Platform for Care of the Elderly</b> <i>Chair &amp; Moderator: Dr. Kuo-Sheng Cheng</i> <i>Dr. Shwn-Jen Lee</i> <i>Dr. Misato Nihei</i> <b>Venue: EE Building-ATI ROOM-(1F)</b>	
13:00-13:10		13:00-13:10	
13:10-13:35	<b>How technology may help? Examples of gerontechnology developments</b> <i>Dr. Yeh-Liang Hsu</i> <i>Professor, Department of Mechanical Engineering, Yuan Ze University, Taiwan</i>	13:10-13:35	<b>Resource Portal of Assistive Technology and its Applicatopns in Care of the Elderly and Empowerment of Persons with Disabilities: 10 years of Experience in Taiwan</b> <i>Dr. Shwn-Jen Lee</i> <i>Associate Professo, Department of Physical Therapy and Assistive Technology, National Yang-Ming University, Taiwan</i>
13:35-14:00	<b>Augmented Reality for Supporting Senior Citizens</b> <i>Dr. Hirokazu Kato</i> <i>Professor, Graduate School of Information Science, Nara Institute of Science and Technology (NAIST), Japan</i>	13:35-14:00	<b>IoT Wearable-Based Health Monitoring of Activities for Seniors at Home</b> <i>Dr. Yu-Tai Ching, Professor, Department of Computer Science, National Chiao Tung University, Taiwan</i>
14:00-14:25	<b>Innovative wearable applications for elders</b> <i>Dr. Chien-Chang Hsu</i> <i>Associate Professor, Department of Computer Science and Information Engineering, FJCU, Taiwan</i>	14:00-14:25	<b>A study on service system design for elderly-care based on ICT</b> <i>Dr. Kentaro Watanabe</i> <i>Research Scientist, Service Intelligence Research Team, Artificial Intelligence Research Center, National Institute of Advanced Industrial Science and Technology (AIST), Japan</i>
14:25-14:40	<b>Coffee Break</b>		
14:40-15:05	<b>Health and Beauty for the Prevention of Fragility: Aiming for 80 year olds with an energetic stride</b> <i>Ms. Sachiko Kamiyama</i> <i>Principal Investigator &amp; Chief Analyst, The KAITEKI Institute, Inc., Japan</i>	14:40-15:05	<b>ICT adoption in long term care in Taiwan: current context and future prospectives</b> <i>Dr. Chien-Tsai Liu</i> <i>Professor, Graduate Institute of Biomedical Informatics, Taipei Medical University, Taiwan</i>
15:05-15:30	<b>The Research Efforts of Light Electric Vehicle Design for the Elderly and Disabled</b>	15:05-15:30	<b>Development and evaluation of a medication support system in the home of elderly patients and elderly</b>

	<i>Dr. Kuo-Sheng Cheng Distinguished Professor, Department of Biomedical Engineering, National Medical University, Taiwan Cheng Kung University, Tainan, Taiwan</i>		<b>care facilities</b> <i>Dr. Shinichi Izumi, Dean, Graduate School of Biomedical Engineering, Tohoku University Dr. Ryoji Suzuki, Research Associate, System Integration Center, Gunma University Hospital, Japan</i>
15:30-15:55	<b>Intelligent User Interface for the purpose of facilitating intergenerational and educational interaction between the elderly and children (TBC)</b> <i>Dr. Fumihide Tanaka Associate Professor, Department of Intelligent Interaction Technologies, University of Tsukuba, University of Tsukuba, Japan</i>	15:30-15:55	<b>SafEE: Safe &amp; Easy Environment for Alzheimer Disease and related disorders</b> <i>Dr. Pau-Choo Chung, Dr. Jia-Jin Chen Distinguished Professor, Department of Electrical Engineering, National Cheng Kung University, Taiwan Distinguished Professor, Department of Biomedical Engineering, National Cheng Kung University, Taiwan</i>
15:55-16:10	<b>Coffee Break</b>		
16:10-16:35	<b>A Survey Study on the Implementations of Ambient Assisted Living in Long-Term Care</b> <i>Dr. Chien-Yeh Hsu Professor, Graduate Institute of Biomedical Informatics, College of Medical Science and Technology, Taiwan</i>	16:10-16:35	<b>Sharing real-world accessibility information by seniors, people with disabilities, and volunteers</b> <i>Dr. Takahiro Miura Project Assistant Professor, Institute of Gerontology, the University of Tokyo, Japan</i>
16:35-17:00	<b>Application of VR for Transferring Knowledge and Skills</b> <i>Dr. Atsushi Hiyama Lecturer / Assistant Professor, Department of Mechano-Informatics, Graduate School of Information Science and Technology, the University of Tokyo, Japan</i>	16:35-17:00	<b>ICT Technology for Fitness, Rehabilitation, and Happiness of People with Disabilities</b> <i>Dr. Yao Jen Chang Distinguished Professor, Department of Electronic Engineering, Chung Yuan Christian University, Taiwan</i>
17:00-17:25	<b>ICT System for Health Care and Big Data Analysis</b> <i>Dr. William Cheng-Chung Chu Distinguished Professor, Department of Computer Science, Tunghai University, Taiwan</i>	17:00-17:25	<b>Portable android robot "Telenoid" for aged citizens: overview and results in Japan and Denmark</b> <i>Dr. Shuichi Nishio Principal Researcher, Advanced Telecommunications Research Institute International (ATR), Japan</i>
17:25-17:50	<b>Human computation and crowdsourcing: how we can harness the wisdom of crowds of senior citizens</b> <i>Dr. Yukino Baba Assistant Professor, Department of</i>	17:25-17:50	

	<i>Intelligence Science and Technology, Graduate School of Informatics, Kyoto University, Japan</i>		
18:30-20:30	<b>Welcome and Networking Banquet</b>		

Day2: Tuesday 12th April 2016			
Concurrent Group Sessions (cont.)			
9:00-9:25	<b>Can wearable devices with online health promotion curriculum effectively cultivate healthy lifestyle and enhance learning performance for high school students?</b> <i>Dr. Jeen-Shing Wang Distinguished Professor , Department of Electrical Engineering, National Cheng Kung University, Taiwan</i>	9:00-9:25	<b>Location-Aware Fall Detection System for Dementia Care on Nursing Service for Evergreen Inn of Jianan Hospital</b> <i>Dr. Ping Wang Professor ,Department of Information Management, Kun Shan University, Taiwan</i>
9:25-9:50	<b>Ultra-realistic Telework System and Remote collaboration</b> <i>Mr. Yusuke Suzuki Team Manager of Real-world Interaction Technology Team, OKI Electric Industry Co., Ltd., Japan</i>	9:25-9:50	<b>Reliable Communication, Human Monitoring and Activity Recognition Technology for Safe and Secure Life of Elderly People</b> <i>Dr. Hirozumi Yamaguchi Associate Professor, Mobile Computing Laboratory, Graduate School of Information Science and Technology, Osaka University, Japan</i>
9:50-10:15	<b>Challenge of ICT for Accessibility and Support of Older People</b> <i>Dr. Ching Wen Yang Director ,Computer &amp; Communication Center, Taichung Veterans General Hospital , Taiwan</i>	9:50-10:15	<b>Activity Monitoring and Health Preliminary Estimation System for Elders in Pervasive Home Environment</b> <i>Dr. Li-Chen Fu Distinguished Professor ,Department of Computer Science and Information Engineering, National Taiwan University, Taiwan</i>
10:15-10:40	<b>New Opportunities for Social Engagement and Work after Retirement: Crowdsourcing and Job Matching</b> <i>Dr. Masatomo Kobayashi Research Staff Member, IBM Research -Tokyo, Japan</i>	10:15-10:40	<b>Interactive Information Support Robot for Elderly People with Cognitive Disabilities</b> <i>Dr. Misato Nihei Lecturer / Assistant Professor, Department of Human and Engineered Environmental Studies, Graduate School of Frontier Sciences, the University of Tokyo, Japan</i>
10:40-10:55	<b>Coffee Break</b>		
10:55-12:00	<b>Free Discussion</b> <i>Possible topics would include, but not limited to: (1) priority themes (or topics) for collaboration</i>	10:55-12:00	<b>Free Discussion</b> <i>Possible topics would include, but not limited to: (1) priority themes (or topics) for collaboration</i>

	(2) comments on the the workshop.  Chair& Moderator: Dr. Yeh-Liang Hsu, Dr. Jia-Jin Chen Dr. Hirokazu Kato Dr. Atsushi Hiyama		(2) comments on the the workshop.  Chair& Moderator: Dr. Kuo-Sheng Cheng Dr. Shwn-Jen Lee Dr. Misato Nihei
12:00-13:00	<b>Working Lunch</b> (venue: EE Building-L.Y. ROOM-(B1F))		
<b>Plenary Session</b> Venue: EE Building-F. C. ROOM-(1F)			
13:00-13:30	<b>Panel Discussion (Joint Session): Presentation of Working Group Observation and Recommendations</b> (by chairs of Working Groups) Co-Chairs: Dr. Pau-Choo Chung, Dr. Jia-Jin Chen, Dr. Yeh-Liang Hsu, Dr. Chien-Tsai Liu, Dr. Kuo-Sheng Cheng, Dr. Min-Huei (Marc) Hsu, Dr. Shwn-Jen Lee Co-Chairs: Dr. Hirokazu Kato, Dr. Atsushi Hiyama, Dr. Misato Nihei		
13:30-14:00	<b>Free Discussion</b> Free discussion based on co-chairs' reports. Possible topics would include, but not limited to: (1) priority themes (or topics) for collaboration (2) comments on the other session or the workshop. Co-Chairs: Dr. Pau-Choo Chung, Dr. Min-Huei (Marc) Hsu, Dr. Shwn-Jen Lee Co-Chairs: Dr. Hirokazu Kato, Dr. Atsushi Hiyama, Dr. Misato Nihei		
14:00-14:20:	<b>Closing Session</b> Venue: EE Building-F. C. ROOM-(1F)		
	<b>Closing Remarks</b>		
<b>Site Visit</b>			
14:30 -17:30	<b>Site Visit</b> Visit Luzhu Science Park		
19:30-	<b>Depart for Hsinchu and Light Dinner</b>		
22:00	<b>Arrival at Hotel</b>		

<b>Day 3: Wednesday 13th April 2016</b>	
<b>Site Visit</b>	
08:30	<b>Congregation</b>
09:00-11:00	<b>Visit Industrial Technology Research Institute (ITRI, Hsinchu)</b>
11:30-13:00	<b>Lunch</b>
13:30-13:30	<b>Depart for Airport</b>