

# 2018 Workshop Plan for Senior-friendly Industry

**Future of Digital Healthcare: AI and Robotics for Dementia Management**

**Date** Wednesday, June 27th 2018

**Venue** GIST Oryong Hall(No 112)

## 모시는 글

안녕하십니까.

녹음이 푸르른 6월, 광주과학기술원 고령친화산업지원센터에서는

'Digital Healthcare의 미래 : 치매관리를 위한 인공지능과 로봇기술'이라는 주제로  
친고령 산업육성 치매낙상 전문 워크숍을 개최합니다.

이번 워크숍에서는 전 세계적 화두인 인구 고령화 문제 해결을 위해 연구 중인  
다양한 국내외 전문가들을 한 자리에 모시고, 치매낙상과 관련한 연구현황 공유 및  
참석자 분들과 함께 관련된 이슈를 논의할 수 있는 장을 마련하였습니다.

바쁘신 와중에도 꼭 참석하시어 자리를 빛내주시기 바랍니다.

광주과학기술원 고령친화산업지원센터장

## 행사 개요

**주 제** Future of Digital HealthCare :  
AI and Robotics for Dementia Management

**행사일시** 2018. 06. 27(수) 09:00 ~ 18:00

**장 소** 광주과학기술원 오룡관 다목적실 (112호)

**주 최**  광주광역시

**주 관**  광주과학기술원  고령친화산업지원센터  
GWANGJU SENIOR TECHNOLOGY CENTER



통증치료용 건강용품 육성사업단



최적 치매관리기술연구센터  
Center for Optimal Dementia Care Technology Research

※ 좌석이 제한되어 있으므로, 사전등록을 권합니다.

## 문의처

광주과학기술원 고령친화산업지원센터 이구원 연구원

TEL 070-7710-4908 | FAX 062-672-7201 | Email kwlee@gstc.or.kr

# 2018 Workshop Plan for Senior-friendly Industry

**Future of Digital Healthcare: AI and Robotics for Dementia Management**

**Date** Wednesday, June 27th 2018

**Venue** GIST Oryong Hall(No 112)

## SPEAKERS



**Mark van Gils**  
Ph.D, Finland

Decision Support and Artificial Intelligence  
for Improved Diagnosis and Intervention  
Planning in Dementias



**Prof. Aresh Dadlani**

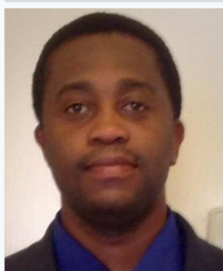
Ph.D Dept. of ECE, Nazarbayev  
Univ., Kazakhstan

Epidemic models for Digital healthcare :  
Alcoholic Dementia



**Mika Luimula**  
Ph.D, Turk Univ., Finland

Rehabilitation Boosting by  
Digital Physical Therapy and Exergaming



**Olufemi Adeluyi**  
Ph. D, NITDA, Nigeria

Ambient Assisted Living for Digital  
healthcare



**Jeonghwan Gwak**  
Ph. D, BMI, SNUH, KOREA

Research Professor in SNUH  
Lecture on Dementia and its  
Smart Management



**Geon Ha Kim**  
MD, PhD, Ewha W. University, Korea

Robot-based Cognitive Intervention  
for Dementia Prevention

## Workshop Schedule 09:00 ~ 17:25

Time	Contents
<b>Opening</b>	
09:00~09:50	Registration
09:50~10:20 (30")	5" Opening Ceremony Moderator
	5" Welcome Speech Dean of Research affairs, GIST
	5" Greeting Speech Mr. Jeong-Seok Lee, Director, Gwangju Metropolitan City
	5" Congratulatory Remarks Mr. Kyung-Jin Kim, Member of the National Assembly
	10" Commemorative Photograph All those Present
<b>Session 1. Global Trends, challenges and Strategies</b>	
10:20~12:00 (100")	10:20~10:30(10") Introduction of Session 2 Prof. Jeong A Lee , Dept. of Computer Eng. Chosun Univ.
	10:30~11:10(40") 1. Decision Support and Artificial Intelligence for Improved Diagnosis and Intervention Planning Dementias, Dr. Mark van Gils, VTT Technical Research Centre, Finland
	11:10~11:50(40") 2. Epidemic models for Digital healthcare : Alcoholic Dementia, Prof. Aresh Dadlani, Dept. of ECE, Nazarbayev University, Kazakhstan
	11:50~12:00(10") Q&A
12:00~13:00 (60")	Lunch
13:00~14:40 (100")	13:00~13:40(40") 3. Rehabilitation Boosting by Digital Physical Therapy and Exergaming, Dr. Mika Luimula, Univ of Turk, Finland
	13:40~14:20(40") 4. Ambient Assisted Living for Digital healthcare, Dr. Olufemi Adeluyi, National InfoTech Dev Agency, Nigeria
	14:20~14:40(20") Q&A, Coffee Break
<b>Session 2. Product Development Strategies</b>	
14:40~16:30 (110")	14:40~14:50(10") Introduction of Session 2 Prof. Seong-Jo Kwak, Dept. of Integrated Technology, GIST.
	14:50~15:30(40") 5. Domestic Life Technology Medical Devices Secretary Jin-Hyeok Choi, Dept. of Bio-Technology, Ministry of Science and ICT
	15:30~16:10(40") 6. Lecture on Dementia and its Smart Management Research Prof. Jeonghwan Gwak, SNUH, Korea
	16:10~16:30(20") Q&A, Coffee Break
16:30~17:25 (55")	16:30~17:10(40") 7. Robot-based cognitive intervention for dementia prevention Geon Ha Kim (MD, PhD, Ewha W. Univ., Seoul, Korea)
	17:10~17:25(15") 8. Reporting Achievements of Pul-ppuri Program Director Yoo-Kang Ji, GSTC
17:25~	Dinner

※ This plan is subject to change depending on the circumstances of the organizers.