

# International Conference e-Health 2017

## CONFERENCE PROGRAM

**Thursday, 20<sup>th</sup> July 2017**

08:30-17:05 Welcome Desk

09:45-10:00 Session O – Opening Session  
(Room Tejo 1+2)

*Prof. Mário Macedo*

10:00-11:00 Session KL1 – Keynote Presentation  
(Room Tejo 1+2)

*By Alexandre Valentim Lourenço, President of the South Regional Council of the Medical Doctors Order, Portugal*

11:00-11:30 Coffee Break

11:30-13:00 Session FRP 20.1  
Usability and Ubiquity in eHealth // Human Computer Interaction  
(Room Tejo 1+2)

*Chair: Mário Macedo*

**A QUALITATIVE STUDY OF THE IMPLEMENTATION AND USE OF A NATIONAL INFORMATION SYSTEM (F066)**

*Line Lundvoll Warth and Kari Dyb*

**ENVIRONMENT- AND USER-FRIENDLY POWER-SUPPLY CONCEPT FOR RF-COUPLED HEALTH AND SPORT SENSORS (F099)**

*Hans Weghorn*

**ROBOTICS AND COMPUTER SCIENCE IN MEDICAL EDUCATION (R079)**

*Lorenzo Brualla, Fabian Vollmer, Erdin Tokmak and Wolfgang Sauerwein*

**THE CHARACTERISTIC FLUX OF THE E-HEALTH DEFINITION (R094)**

*Rune Pedersen, Inger Marie Holm and Hege K Andreassen*

13:00-14:30 Lunch Break

14:30-16:30 Session FSPP 20.2  
Service Models // Patients and Public Health // Other  
(Room Tejo 1+2)

*Chair: Kari Dyb*

**PROGRESSIVELY DEVELOPING A BUSINESS MODEL TO ASSIST ELDERLY PATIENTS WITH COGNITIVE IMPAIRMENT THROUGH A DIGITAL ECOSYSTEM: A METHODOLOGICAL APPROACH (F027)**

*Paolo Locatelli, Federica Cirilli, Luca Gastaldi, Simona Solvi And Andrea Pistorio*

**INTRODUCING PERSONALISED SELF-MANAGEMENT TO SUPPORT PHYSICAL ACTIVITY IN ELDERLY: A CASE STUDY (F073)**

*Jan-Willem van 't Klooster, Inge van Bruinessen, April Boessen, Loek van der Heide, Miriam Vollenbroek-Hutten and Sandra van Dulmen*

**INVOLVING END-USERS IN THE DEVELOPMENT AND IMPLEMENTATION OF A WEB-BASED, PHYSICAL ACTIVITY PLATFORM FOR ELDERLY (S076)**

*Inge van Bruinessen, Jan-Willem van 't Klooster, April Boessen, Loek van der Heide, Miriam Vollenbroek-Hutten and Sandra van Dulmen*

**IMPACT OF OBSERVIA-SANDOZ'S APPLICATION FOR CONDUCTING PHARMACEUTICAL INTERVIEWS ON THE EVALUATION OF KNOWLEDGE ACQUISITION OF ASTHMATIC PATIENTS AND PATIENTS TREATED BY ANTICOAGULANTS (P062)**

*Geoffroy Vergez and Gersende Guédon*

16:30-17:00 Coffee Break

**Friday, 21<sup>st</sup> July 2017**

**08:30-15:45 Welcome Desk**

**10:00-11:00 Session FP 21.1**  
**eHealth Decision Support Systems**  
**(Room Tejo 1+2)**

*Chair: Petros Papapanagiotou*

**M-HEALTH PREDICTIVE DATA ANALYSIS OF DAILY ACTIVITIES AND PHYSIOLOGICAL CONDITIONS (F053)**

*Enkeleda Bocaj, Jonas Queiroz, Paulo Leitão and Charalampos Z. Patrikakis*

**HUMAN-CENTRED DESIGN OF ONTOLOGY BASED CLINICAL DECISION SUPPORT SYSTEM (F102)**

*Alphonsine Mukabunani, Jan Pettersen Nytnun and Ghislain Maurice Norbert Isabwe*

**11:00-11:30 Coffee Break**

**11:30-13:00 Session FSP 21.2**

**Mobile Applications**

**(Room Tejo 1+2)**

*Chair: Jan-Willem Van 't Klooster*

**“DON'T MAKE ME AN ORPHAN, MOM”: A MOBILE GAME TO SUPPORT SMOKING CESSATION (F055)**

*Olga Shabalina, Vitaliy Aleynikov, Aleksandr Davtian, Ann Matokhina and David C. Moffat*

**SERVICE ARCHITECTURE FOR GASTRIC CANCER SCREENING (S061)**

*Jaakko Lähteenmäki, Juha Leppänen, Janne Pajukanta, Juha M. Kortelainen and Raimo Launonen*

**A MOBILE APP TO MANAGE CHILDREN DENTAL ANXIETY: CONTEXT AND APPROACH (S069)**

*María Del Carmen Romero-Ternero, Rocio García-Robles, Daniel Cagigas-Muñiz and Octavio Rivera-Romero*

**INSPIRERS: AN APP TO MEASURE AND IMPROVE ADHERENCE TO INHALED TREATMENT (S072)**

*Cristina Jácome, Rute Almeida, João Pedro Teixeira, Pedro Vieira-Marques, Rita Vilaça, José Manuel Fernandes, Ana Ferreira and João Almeida Fonseca*

**13:00 – 14:30 Lunch Break**

**14:30-15:30 Session FP 21.3**

**Interoperability issues // Security in eHealth**

**(Room Tejo 1+2)**

*Chair: Hans Weghorn*

**PRE-COMMERCIAL PROCUREMENT OF PERSONAL HEALTH SERVICES – INTEROPERABILITY CONSIDERATIONS (F025)**

*Jaakko Lähteenmäki, Juha Leppänen, Anna Sachinopoulou, Jean Patrick Mathieu, Rossana Alessandrello and Suzan Ikävalko*

**THE T2ROL ACCESS CONTROL MODEL FOR MOBILE HEALTH SYSTEMS IN DEVELOPING COUNTRIES (F097)**

*Jane Katusiime and Niels Pinkwart*

**14:30-15:30 Poster Session**

**(Room Atlântico 2)**

**Chair: Piet Kommers**

**DEVELOPMENT OF A FRAMEWORK FOR MOOC IN CONTINUOUS TRAINING (P029)**

*Carolina Amado and Ana Pedro*

**INFORMATION LITERACY IN THE 21ST CENTURY: USEFULNESS AND EASE OF LEARNING (P118)**

*Patricia Fidalgo and Joan Thormann*

**THE USE OF AN ACCEPTANCE TEST FOR ACCESSING AN ELECTRONIC INFORMATION SYSTEM (P065)**

*Line Lundvoll Warth and Kari Dyb*

**DESIGN OF A MULTI-SENSOR BASED EXERCISE MOTION RECOGNITION SYSTEM (P050)**

*Seung-Taek Oh, Heon-Tag Kong and Jae-Hyun Lim*

**DESIGNING OF SLEEP SUPPORT LIGHTING BASED ON SHORT WAVELENGTH RATIO OF NATURAL LIGHT (P053)**

*Young-Won Kim and Jae-Hyun Lim*

**“TUE GUTES” – UTILIZING SOCIAL NETWORK MECHANISMS, CROWDSOURCING AND GAMIFICATION TO FACILITATE SOCIAL AWARENESS AND PROMOTE SELFLESS HELP (P040)**

*Daniel Kadenbach, Nick Nolting and Carsten Kleiner*

**HOME AUTOMATION SYSTEM FOR ELDERLY HOUSING (P020)**

*Sung-Hoon Mah, Dong-Hak Kim, Byung-Seo Kim, Jong Kim and Jae Hee Chung*

**USING INTERACTIVE VISUAL ANALYTICS TO ANALYZE INFLUENCES OF CLIMATE ON INDUSTRIAL PRODUCTION (P035)**

*Dieter Meiller*

**DETECTION OF SUBJECT-BASED KEY PLAYER USING SOCIAL NETWORK ANALYSIS (P042)**

*Minseon Kim, Jiyoun Kim and Kiyun Yu*

**PHYSICALLY-BASED LINEAR BLEND SKINNING (P031)**

*YoungBeom Kim and JungHyun Han*

**TOWARDS SUB-PIXEL DISTANCE MEASURES FOR DISTANCE TRANSFORMATIONS (P141)**

*Ingemar Ragnemalm*

**15:45 – Conference Tour and Dinner**

## Saturday, 22<sup>nd</sup> July 2017

08:30-13:00 Welcome Desk

09:20-11:00 Session FSP 22.1

IT and Patient Care // eHealth to improve Quality and Patient Safety

(Room Tejo 1+2)

Chair: *Mário Macedo*

**IMPLEMENTATION OF ICT BASED INNOVATIONS AS ELECTRONIC MEDICAL RECORD IN SUB-SAHARA AFRICA: ISSUES OF RELEVANCE FOR FUTURE IMPLEMENTATIONS (F023)**

*Gabriel Nzarama Mugabe, Vivian Vimarlund and Sofie Wass*

**FALL DETECTION METHOD USING SINGLE AXIS ACCELERATION AND ANGULAR VELOCITY (F032)**

*Daniel Badran, Kabalan Chaccour, Amir Hajjam El Hassani and Emmanuel Andres*

**DEVELOPMENT OF WORKFLOW-BASED GUIDELINES FOR THE CARE OF BURNS IN SCOTLAND (S029)**

*Alisa Dewanti, Petros Papanagiotou, Charlotte Gilhooly, Jacques Fleuriot, Areti Manataki and Laura Moss*

**DIGITAL NUTRITIONAL DOCUMENTATION OF PREGNANT MIGRANT WOMEN (S033)**

*Karin Messer-Misak*

11:00-11:30 Coffee Break

11:30-13:00 Session FP 22.2

Data Mining and Clinical Studies

(Room Tejo 1+2)

Chair: *Lorenzo Brualla*

**SEQUENCE PREDICTION ALGORITHM FOR HEART FAILURE PREDICTION (F020)**

*Carine Bou Rjeily, Georges Badr, Amir Hajjam Al Hassani and Emmanuel Andres*

**ABBREVIATION AND ACRONYM IDENTIFICATION AND EXPANSION WITHIN MEDICAL HEALTH RECORDS (F100)**

*Duncan Wallace and Tahar Kechadi*

**A SYSTEMATIC REVIEW ON THE EFFECT OF ICT ON SOCIAL SUPPORT MEASURES IN HEALTHCARE (F104)**

*Uchenna Nnabuko and Stuart Anderson*

13:00 Best Paper Awards Ceremony and Closing Session

(Room Tejo 1+2)

*Prof. Mário Macedo*