Hospitals and Community Care 6.12.2021

13:00 Opening, co-chairs Dr. Hadas Lewy and Dr. Refael Barkan, Digital Medical Technology, HIT, Israel
Welcome, President of HIT Prof. Eduard Yakobov

13:15 EAI clip and opening words

13:25 Keynote Speaker: Hospital and Community Care Prof. Eyal Zimlichman, Sheba Medical Center

14:10 Q&A

14:25 Session A Parallel session:

**Room A: AI and COVID-19 Chair: Dr. Tomas Karpati**

- Clinical Decision Making and Outcome prediction for COVID-19 patients Using Machine Learning - Dr. Constantinos Koutsojannis

- Statistical power boost for broadly applicable host immune response based tools - Dr. Shaul Lev

- Building a Tool that Draws from the Collective Wisdom of the Internet to Help Users Respond Effectively to Anxiety-Related Questions - Dr. Benjamin Kaveladze

**Room B**

workshop opening: Design Contributions to Pervasive Health & Care Services

15:25 BREAK

15:40 Session B Parallel session:

**Room B1 Remote monitoring Chair: Dr. Gadi Blumerson**

- Detecting Bed Occupancy Using Thermal Sensing Technology: A Feasibility Study - Dr. Rebecca Hand

- Sensor-based measurement of nociceptive pain: an exploratory study with healthy subjects - Dr. Mevludin Memedi.

- Dynamics Reconstruction of Remote Photo plethysmography - Dr. Lin He

**Room B2 Remote Care Chair: Dr. Hadas lewy**

- Digital tools for improving quality in 24-hour home care - Dr. Carina Hauser

- Iris: A Low-Cost Telemedicine Robot to Support Healthcare Safety and Equity during a Pandemic - Dr. Sachiko Matsumoto

- Wireless Sensor Networks for Telerehabilitation of Parkinson’s Disease using Rhythmic Auditory Stimulation - Dr. Glorie Mae Mabanta

**Room B3**

workshop opening: Design Contributions to Pervasive Health & Care Services

16:40 Being and Time: COVID-19 and the Rapid Rise of Virtual Video Visits Prof. Rich Frankel, Ph.D., Regenstrief Institute, Indiana University, Indiana, USA

17:10 Q&A

17:25 One Digital Health. Co-Chair - Dr. Arriel Benis, Dr. Oscar Tamburis

17:55 Session C - Technology and Mental health

Chair: Dr. Refael Barkan

- Body-Soul Map: An app for mental and physical psychiatric - Dr. Limor Caspi

- Queering E-Therapy: Considerations for the Delivery of Virtual Reality based Mental Health Solutions with LGBTQ2IA+ Communities - Dr. Adrian Bolesnikov

- gueSet: A Multi-modal Dataset for Modeling Mental Fatigue and Fatigability - Dr. Manasa Kalanadhabhatta

- Exploring Unique App Signature of the Depressed and Non-depressed Through Their Fingerprints on Apps - Dr. Sabbir Ahmed

19:30 workshop conclusions: Design Contributions to Pervasive Health & Care Services

20:00 End
Homecare 7.12.2021

13:00 Opening, co-chairs Dr. Hadas Lewy and Dr. Refael Barkan
13:05 Keynote Speaker: Prof. Abraham (Avi) Seidmann, Boston University Institute for Health System Innovation & Policy
13:50 Q&A
14:00 Homecare and Technology – Industry Panel Moderator: Dr. Ron Sabar, M.D., Sabar Health, Israel Presenting: 5 vendors of homecare technologies: Datos, Uniper, Earlysense, Biobeat
15:00 BREAK
15:15 Session A - Elderly Care and Technologies
   Chair: TBD
   Technical Intervention to Address Challenges in Nursing Home Care - Dr. Diana Freed
   Understanding the opportunities and limitations of technology to support older people during the COVID-19 pandemic in Scotland - Dr. Louise McCabe
   Designing Conversational Assistants to Support Older Adult Personal Health Record Access - Dr. Pegah Karimi
   PROMs+: AI-based PROMs (Patient-Reported Outcome Measure) - Dr. Levy Hadas

16:15 “Home care & technologies”-
   Chair: Prof. Edwige Pissaloux
   Prof. Dan Istrate, BMBI UMR Laboratory – University de Technologie de Compiègne
   Prof. Jérome Boudy, IMT, Telecom – Sud Paris Rigaud
   Anne-Sophie, Pino M; Piccoli M, Dacunha S, Berger E, Charlieux B, Palmier C Bruley R, Lenoir H University
   e Paris, APHP, Hospital Broca, Memory Resource and Research Centre de Paris-Broca-Ile de France,Paris, France.
   Prof. Rainer Wieching, University of Siegen

17:15 Session B - Home monitoring technologies
   Chair: Dr. Gaddi Blumerson
   The peer support for elderly breast cancer patients' continuing care at home through smart service system - Dr. Bo GAO
   RITA: A privacy-aware toileting assistance designed for people with dementia - Dr. Irene Ballester Campos
   Design of a Rule-based and ADL Analysis System to Support Care of the Elderly - Dr. Naomi Irvine

18:15 Technology as a Service for the Older Population Dr. Yoram Maaravi, M.D., Head of Geriatrics, Mount Scopus Hadassah Hospital, Jerusalem, Israel

19:15 Parallel sessions:

| Room C1: Panel on “Cyber Security and Privacy Issues in HomeCare” | Room C2: Technologies implementation, acceptance and evaluation during the pandemic  
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<tr>
<td>Panel on “Cyber Security and Privacy Issues in HomeCare” Chair:</td>
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<tr>
<td>Ms. Danit Leybovich Shati, LL.M., Cybersecurity Specialist, Founder of “Alpha Forensics”</td>
<td>Aspects of technology and pervasive health use in care organizations during the pandemic: Report from a municipality COVID-19 study - Dr. Erik Grönvall</td>
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<td>Mr. Eiman Lichterman, Cybersecurity Specialist</td>
<td>Acceptance Evaluation of a COVID-19 Home Health Service Delivery Relational Agent - Dr. Beenish Chaudhry</td>
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<td>Ms. Farah McCrate, Director Research and Innovation, Eastern Health</td>
<td>The impact of COVID-19 on LGBTQIA+ individuals’ technology use to seek health information and services - Dr. Taylor Schell Martinez</td>
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<td>Mr. Yechiel Gepner, Health IT Consultant</td>
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20:00 End

13:00 Opening, co-chairs Dr. Hadas Lewy and Dr. Refael Barkan
13:05 High Tech - High Touch: The Digital Age in Medical Education: A Friend or A Foe?
Keynote Speaker: Prof. Shmuel Reis M.D., Faculty of Medicine, Hebrew University, Jerusalem, Israel
13:50 Q&A
14:00 Preparing the Future Physicians for the Ubiquitous Digital Medicine Prof. Dina Ben Yehuda, M.D., Dean, Faculty of Medicine, Hebrew University & Hadassah Medical Center, Jerusalem, Israel
14:30 Session A: Technologies and Health behavior
Chair:
GamifyHealth: A Generic Software Framework for Health Behavioral Change – Dr. Grace Wensan Lee
The Design of an Ontology-driven mHealth Behaviour Change Ecosystem to Increase Physical Activity in Adults - Dr. Stéphanie Carlier.
The SharedHeart Approach: Technology-Supported Shared Decision Making to Increase Physical Activity in Cardiac Patients - Dr. Cindel Bonneux
15:30 BREAK
15:45 Future Healthtech Trends – Ensuring Israeli Leadership Dr. Itai Kela, Head of Healthtech sector, Israel Innovation Authority
16:15 Educating Healthcare Professionals for the Digital Age – Panel Moderator: Prof. Aviv Shachak, Ph.D.
Toronto University, Canada Presenting: 4 panelists (TBA)
17:15 Parallel sessions:

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<th>Session B: Technologies and Health wellness Chair: Dr. Refael Barkan</th>
<th>Session B1: parallel session Assistive technologies Chair: Dr. Nissim Harel</th>
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<tr>
<td>Using Topic Modelling to Personalise a Digital Self-Compassion Training - Dr. Laura Van Der Lubbe</td>
<td>Towards Enhancing the Multimodal Interaction of a Social Robot to Assist Children with Autism in Emotion Regulation - Dr. Marcelo Rocha</td>
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<td>EAT@WORK: Designing an mHealth App for Promoting Healthy Eating Routines among Dutch Office Workers - Dr. Sibo Pan</td>
<td>MPredA: A Machine Learning based Prediction System to Evaluate the Autism Level Improvement - Dr. Masud Rabbani</td>
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<td>&quot;We're Not Meant to Deal With Crisis for a Year&quot;: Supporting Frontline Healthcare Providers' Wellness During a Pandemic - Dr. Kazi Sinthia Kabir</td>
<td>Helping People to Control Their Everyday Data for Care: A Scenario-Based Study - Dr. Pei-Yao Hung</td>
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18:40 The New Competencies that Each Healthcare Professional Needs in Today’s and Tomorrow’s Technology Enhanced Clinical Reality Prof. Shmuel Reis, HIT, Israel
19:15 The Patient-Doctor-Computer communication and relationship Prof. Elizabeth (Betsy) Toll, M.D., Warren Alpert medical school at Brown University, Providence, Rhode Island, USA
20:00 End