

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 | Room B |
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| <ul style="list-style-type: none"> Clinical Decision Making and Outcome prediction for COVID-19 patients Using Machine Learning - Dr. Constantinos Koutsojannis | workshop opening: Design Contributions to Pervasive Health & Care Services |
| <ul style="list-style-type: none"> Statistical power boost for broadly applicable host immune response based tools - Dr. Shaul Lev | |
| <ul style="list-style-type: none"> Building a Tool that Draws from the Collective Wisdom of the Internet to Help Users Respond Effectively to Anxiety-Related Questions - Dr. Benjamin Kaveladze | |

- 15:25 **BREAK**
- 15:40 **Session B** Parallel session:

| Room B1 Remote monitoring Chair: Dr. Gadi Blumerson | Room B2 Remote Care Chair: Dr. Hadas lewy | Room B3 |
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| <ul style="list-style-type: none"> Detecting Bed Occupancy Using Thermal Sensing Technology: A Feasibility Study - Dr. Rebecca Hand | <ul style="list-style-type: none"> Digital tools for improving quality in 24-hour home care - Dr. Carina Hauser | workshop opening: Design Contributions to Pervasive Health & Care Services |
| <ul style="list-style-type: none"> Sensor-based measurement of nociceptive pain: an exploratory study with healthy subjects - Dr. Mevludin Memedi. | <ul style="list-style-type: none"> Iris: A Low-Cost Telemedicine Robot to Support Healthcare Safety and Equity during a Pandemic - Dr. Sachiko Matsumoto | |
| <ul style="list-style-type: none"> Dynamics Reconstruction of Remote Photo plethysmography - Dr. Lin He | <ul style="list-style-type: none"> Wireless Sensor Networks for Telerehabilitation of Parkinson's Disease using Rhythmic Auditory Stimulation - Dr Glorie Mae Mabanta | |

- 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**

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| <ul style="list-style-type: none"> Body-Soul Map: An app for mental and physical psychiatric - Dr. Limor Caspi |
| <ul style="list-style-type: none"> Queering E-Therapy: Considerations for the Delivery of Virtual Reality based Mental Health Solutions with LGBTQ2IA+ Communities - Dr. Adrian Bolesnikov |
| <ul style="list-style-type: none"> gueSet: A Multi-modal Dataset for Modeling Mental Fatigue and Fatigability - Dr. Manasa Kalanadhabhatta |
| <ul style="list-style-type: none"> 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. Lewy Hadas**
- 16:15 **“Home care & technologies”-**
Chair: **Prof. Edwige Pissaloux**
Prof. Dan Istrate, BMBI UMR Laboratory – University de Technologie de Compiègne
Prof. Jérôme 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 of 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 Chair: |
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| <p>Panel on “Cyber Security and Privacy Issues in HomeCare” Chair:</p> <p>Ms. Danit Leybovich Shati, LL.M., Cybersecurity Specialist, Founder of “Alpha Forensics”</p> <p>Mr. Einan Lichterman, Cybersecurity Specialist</p> <p>Ms. Farah McCrate, Director Research and Innovation, Eastern Health</p> <p>Mr. Yechiel Gepner, Health IT Consultant</p> | <p>Aspects of technology and pervasive health use in care organizations during the pandemic: Report from a municipality COVID-19 study – Dr. Erik Grönvall</p> <p>Acceptance Evaluation of a COVID-19 Home Health Service Delivery Relational Agent - Dr. Beenish Chaudhry</p> <p>The impact of COVID-19 on LGBTQIA+ individuals’ technology use to seek health information and services - Dr. Taylor Schell Martinez</p> |

Healthcare Education in the 21st Century 8.12.2021

- 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:

| Session B: Technologies and Health wellness Chair: Dr. Refael Barkan | Sesion B1- parallel session Assistive technologies Chair: Dr. Nissim Harel |
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| Using Topic Modelling to Personalise a Digital Self-Compassion Training - Dr. Laura Van Der Lubbe | Towards Enhancing the Multimodal Interaction of a Social Robot to Assist Children with Autism in Emotion Regulation - Dr. Marcelo Rocha |
| EAT@WORK: Designing an mHealth App for Promoting Healthy Eating Routines among Dutch Office Workers - Dr. Sibó Pan | MPredA: A Machine Learning based Prediction System to Evaluate the Autism Level Improvement - Dr. Masud Rabbani |
| "We're Not Meant to Deal With Crisis for a Year": Supporting Frontline Healthcare Providers' Wellness During a Pandemic. - Dr. Kazi Sinthia Kabir | Helping People to Control Their Everyday Data for Care: A Scenario-Based Study - Dr. Pei-Yao Hung |

- 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