

PervasiveHealth 2022, Thessaloniki, Greece

Conference Program

Day One, 12th December 2022

DAY 1 – PervasiveHealth 2022 Edition	
9:30-9:45	Conference Opening Chair: Dr Andreas Triantafyllidis Chairman of CERTH: Dr Dimitrios Tzovaras
9:45 – 10:45	Keynote Speech - Towards Digital Phenotyping: New AI-based Digital Biomarkers Prof Leontios Hadjileontiadis
10:45 – 11:25	Session 1: Personal Informatics and Wearable Devices Chairs: Dr Konstantinos Votis and Dr Sofia Segkouli
10:45 – 11:05	Robust Respiration Sensing Based on Wi-Fi Beamforming SONG, Wenchao <swc@mail.nwpu.edu.cn> (Northwestern Polytechnical University); WANG, Zhu <wangzhu@nwpu.edu.cn> (Northwestern Polytechnical University); SUN, Zhuo <zsun@nwpu.edu.cn> (Northwestern Polytechnical University); ZHANG, Hualei <hualeizhang@mail.nwpu.edu.cn> (Northwestern Polytechnical University); GUO, Bin <guob@nwpu.edu.cn> (Northwestern Polytechnical University); YU, Zhiwen <zhiwenyu@nwpu.edu.cn> (Northwestern Polytechnical University); HO, Chih-Chun <hochihchun@foxmail.com> (Beijing Jizhi Digital Technology Co., Ltd); CHEN, Liming <l.chen@ulster.ac.uk> (University of Ulster)
11:05 – 11:25	Heart Rate During Sleep Measured Using Finger-, Wrist- and Chest-Worn Devices: A Comparison Study Abdalazim, Nouran <nouran.abdalazim@usi.ch> (Università della Svizzera italiana (USI)); Larraza, Joseba Aitzol Arbilla <joseba.aitzol.arbilla.larraza@usi.ch> (Università della Svizzera italiana (USI)); Alchieri, Leonardo <leonardo.alchieri@usi.ch> (Università della Svizzera italiana (USI)); Alecci, Lidia <lidia.alecci@usi.ch> (Università della Svizzera italiana (USI)); Santini, Silvia <silvia.santini@usi.ch> (Università della Svizzera italiana (USI)); Gashi, Shkurta <shkurta.gashi@ai.ethz.ch> (ETH AI Center)
11:25 – 12:00	Coffee Break
12:00 – 13:00	Session 2: Computer Vision Chairs: Dr Ilias Kalamaras and Dr Anastasios Alexiadis
12:00 – 12:20	Multiclass Semantic Segmentation of Mediterranean Food Images Konstantakopoulos, Fotios S. <fotkonstan@uoi.gr> (Unit of Medical Technology and Intelligent Information Systems/ Dept. of Materials Science & Engineering/ University of Ioannina/Greece); Georga, Eleni I. <egeorga@uoi.gr> (Unit of Medical Technology and Intelligent Information Systems/ Dept. of Materials Science & Engineering/ University of Ioannina/Greece); Fotiadis, Dimitrios I. <dimitris.fotiadis30@gmail.com> (Unit of Medical Technology and Intelligent Information Systems, Department of Materials Science and Engineering, University of Ioannina)
12:20 – 12:40	Comparative Study of Machine Learning Methods on Spectroscopy Images for Blood Glucose Estimation Kazi, Tahsin <tahsin.kazi35@gmail.com> (Kennesaw State University); Ponakaladinne, Kiran <kponakal@students.kennesaw.edu> (Kennesaw State University); Valero, Maria <mvalero2@kennesaw.edu> (Kennesaw State University)

	<p>University); Zhao, Liang <lzhao10@kennesaw.edu> (Kennesaw State University); Shahriar, Hossain <hshahria@kennesaw.edu> (Kennesaw State University); Ingram, Katherine I <kingra14@kennesaw.edu> (Kennesaw State University)</p>
12:40 – 13:00	<p>Classification of Kidney Tumor grading on Preoperative Computed Tomography Scan Mahootiha, Maryamalsadat <marymaho@uio.no> (Oslo University Hospital); Qadir, Hemin Ali <hemqad@ous-hf.no> (Oslo University Hospital); Bergsland, Jacob <jacobbergsland622@gmail.com> (Oslo University Hospital); Balasingham, Ilangko <i.s.balasingham@ous-research.no> (Oslo University Hospital)</p>
12:00 – 13:00	<p>[Room Zefyros] Parallel Workshop - IoT-HR: Workshop on Internet of Things in Health Research, Chairs: Dr Dario Salvi, Dr Francesco Potorti</p>
12:00 – 12:20	<p>[Room Zefyros] An IoT-based system for the study of neuropathic pain in spinal cord injury Salvi, Dario <dario.salvi@mau.se> (Malmo University); Carrasco-Lopez, Carmen <carmen.carrasco-lopez@mau.se> (Internet of Things and People, Malm� University); Ymeri, Gent <gent.ymeri@mau.se> (Malm� University); P�rez Borrego, Yolanda <yolandapb70@gmail.com> (FENNSI Group, National Hospital for Paraplegics, Toledo, Spain); Carl, Magnus Olsson <carl.magnus.olsson@mau.se> (Internet of Things and People, Malm� University)</p>
12:20 – 12:40	<p>[Room Zefyros] IoT smart shoe solution for neuromuscular disease monitoring La Rosa, Davide <davide.larosa@isti.cnr.it> (Institute of Information Science and Technologies, National Council of Research (ISTI-CNR), Pisa, Italy); Palumbo, Filippo <filippo.palumbo@isti.cnr.it> (Institute of Information Science and Technologies, National Council of Research (ISTI-CNR), Pisa, Italy); Ronca, Alessandra <alessandronca@outlook.com> (Department of Information Engineering, University of Pisa, Pisa, Italy); Sansone, Francesco <francesco.sansone@ifc.cnr.it> (Institute of Clinical Physiology, National Research Council of Italy (IFC-CNR), Pisa, Italy); Tesconi, Mario <mario.tesconi@adatec.it> (Adatec S.r.l., Navacchio, Pisa, Italy); Tonacci, Alessandro <atonacci@ifc.cnr.it> (Institute of Clinical Physiology, National Research Council of Italy (IFC-CNR), Pisa, Italy); Conte, Raffaele <raffaele.conte@ifc.cnr.it> (National Research Council of Italy (CNR), Rome, Italy)</p>
12:40 – 13:00	<p>[Room Zefyros] Compliance and Usability of an Asthma Home Monitoring System Tsang, Kevin CH <k.c.h.tsang@sms.ed.ac.uk> (The University of Edinburgh); Pinnock, Hilary <hilary.pinnock@ed.ac.uk> (The University of Edinburgh); Wilson, Andrew M <a.m.wilson@uea.ac.uk> (The University of East Anglia); Salvi, Dario <dario.salvi@mau.se> (Malmo University); Olsson, Carl Magnus <carl.magnus.olsson@mau.se> (Malm� University); Shah, Ahmar <ahmar.shah@ed.ac.uk> (The University of Edinburgh)</p>
13:00 – 14:30	<p>Lunch Break</p>
14:30 – 15:30	<p>Session 3: Pervasive Health for COVID-19 Chairs: Dr Angelina Kouroubali and Eirini Lithoxidou</p>
14:30 – 14:50	<p>COVID-19 Classification Algorithm based on Privacy Preserving Federated Learning Cheng, Baoluo <chengbaoluo@s.dlu.edu.cn> (Dalian university); Ji, Changqing <jichangqing@dlu.edu.cn> (Dalian University); Gao, Zhiyong <g1352387333@163.com> (Dalian university); Qin, Jing <qinjing@dlu.edu.cn> (Dalian University); Wang, Zumin <wangzumin@163.com> (Dalian University)</p>

14:50 – 15:10	<p>Flattening the Curve through Reinforcement Learning Driven Test and Trace Policies</p> <p>Rusu, Andrei C <A.Rusu@soton.ac.uk> (University of Southampton); Farrahi, Katayoun <k.farrahi@soton.ac.uk> (University of Southampton); Niranjan, Mahesan <mn@ecs.soton.ac.uk> (University of Southampton)</p>
15:10 – 15:30	<p>Connecting Self-reported COVID-19 Needs with Social Determinants of Health</p> <p>Toscos, Tammy <tammy.toscos@parkview.com> (Parkview Research Center); Pater, Jessica <Jessica.Pater@parkview.com> (Parkview Research Center); Cornet, Victor <Victor.Cornet@parkview.com> (Parkview); Jacobs, Maia <mjacobs30@gatech.edu> (Northwestern University)</p>
14:30 – 15:30	<p>[Room Zefyros] Parallel Workshop - IoT-HR: Workshop on Internet of Things in Health Research, Chairs: Dr Dario Salvi, Dr Francesco Potorti</p>
14:30 – 14:50	<p>[Room Zefyros] Assessing Older Adult's Gait Speed with Wearable Accelerometers in Community Settings: Validity and Reliability Study</p> <p>Cobo, Antonio <antonio.cobo@ctb.upm.es> (Universidad Politcnica de Madrid); Villalba Mora, Elena <elena.villalba@upm.es> (Universidad Politcnica de Madrid); Prez Rodrguez, Rodrigo <rprodrigo@salud.madrid.org> (Fundacin para la Investigacin Biomdica del Hospital Universitario de Getafe); Medina, Juan E. <je.medina@alumnos.upm.es> (Universidad Politcnica de Madrid); Robles Mateos, Paula <paula.roblesm@alumnos.upm.es> (Universidad Politcnica de Madrid); Rodrguez Laso, ngel <arodriguezlaso@salud.madrid.org> (CIBER de Fragilidad y Envejecimiento Saludable); Rodrguez Maas, Leocadio <leocadio.rodriguez@salud.madrid.org> (Hospital Universitario de Getafe)</p>
14:50 – 15:10	<p>[Room Zefyros] Healthcare Based on IoT using Arduino, MPU6050 accelerometer and gyroscope sensor and FSR-174 strain gauge for fatigue assessment</p> <p>Soto Len, Vanesa <vani_vanesa@hotmail.com> (Hospital Nacional de Parapljicos); Fernndez Canosa, Sara <sarita-f@hotmail.com> (Hospital Nacional de Parapljicos); Consoli, Antonio <antonio.consoli@urjc.es> (Universidad Rey Juan Carlos); Lpez Gonzlez, Vernica <veronicalopezgonzal@hotmail.com> (Hospital Nacional de Parapljicos)</p>
15:10 – 15:30	<p>[Room Zefyros] Smartphone-based strategy for Quality-of-Life monitoring in head and neck cancer survivors</p> <p>Lopez-Perez, Laura <llopez@lst.tfo.upm.es> (Universidad Politcnica de Madrid-Life Supporting Technologies Research Group, ETSIT, Madrid, Spain); Alonso, Itziar <ialonso@lst.tfo.upm.es> (Universidad Politcnica de Madrid-Life Supporting Technologies Research Group, ETSIT, Madrid, Spain); Filippodou, Elizabeth <elizabeth@dotsoft.gr> (Information Technology Programme Management Office, DOTSOFT, Thessaloniki, Greece); Mercalli, Franco <f.mercalli@multimedengineers.com> (Multimed Engineers srls, Parma, Italy); Cavaliere, Stefano <Stefano.Cavaliere@istitutotumori.mi.it> (Head and Neck Medical Oncology Department, Fondazione IRCCS Istituto Nazionale dei Tu-mori, Milan, Italy); Martinelli, Elena <Elena.Martinelli@guest.unimi.it> (Department of Oncology and Hemato-Oncology, University of Milan, Italy); Licitra, Lisa <lisa.licitra@unimi.it> (Department of Oncology and Hemato-Oncology, University of Milan, Italy); Fico, Giuseppe <gfico@lst.tfo.upm.es> (Universidad Politcnica de Madrid-Life Supporting Technologies Research Group, ETSIT, Madrid, Spain)</p>
15:30 – 16:00	<p>Coffee Break</p>

<p>16:00 – 17:00</p> <p>16:00 – 16:20</p> <p>16:20 – 16:40</p> <p>16:40 – 17:00</p> <p>16:00 – 17:00</p>	<p>Session 4: Machine Learning, Human Activity Recognition and Speech Recognition Chairs: Dr Luke Chen and Dr Konstantinos Votis</p> <p>Up-Sampling Active Learning: An Activity Recognition Method for Parkinson's Disease Patients Yue, Peng <pyue1@sheffield.ac.uk> (University of Sheffield); Wang, Xiang <wangxiang5857@163.com> (Yunnan University); Yang, Yun <yangyun@ynu.edu.cn> (Yunnan University); Qi, Jun <ruth1012@live.com> (Xi'an JiaoTong-Liverpool University); Yang, Po <po.yang@sheffield.ac.uk> (University of Sheffield)</p> <p>Your Day in Your Pocket: Complex Activity Recognition from Smartphone Accelerometers Emma Bouton-Bessac, Emma <emma.bouton@idiap.ch> (idiap); Meegahapola, Lakmal <lakmal.meegahapola@idiap.ch> (idiap); Gatica-Perez, Daniel <gatica@idiap.ch> (idiap)</p> <p>Research on Passive Assessment of Parkinson's Disease Utilising Speech Biomarkers Kovac, Daniel <xkovac41@vut.cz> (Department of Telecommunications, Brno University of Technology, Brno, Czech Republic); Mekyska, Jiri <j.mekyska@gmail.com> (Department of Telecommunications, Brno University of Technology, Brno, Czech Republic); Brabenec, Lubos <lubos.brabenec@ceitec.muni.cz> (Applied Neuroscience Research Group, Central European Institute of Technology "CEITEC, Masaryk University, Brno, Czech Republic); Kostalova, Milena <kostalova.milena@fnbrno.cz> (Department of Neurology, Faculty Hospital and Masaryk University, Brno, Czech Republic); Rektorova, Irena <irena.rektorova@fnusa.cz> (First Department of Neurology, Faculty of Medicine and St. Anne's University Hospital, Masaryk University, Brno, Czech Republic)</p> <p>[Room Zefyros] Parallel Workshop - IoT-HR: Workshop on Internet of Things in Health Research – Demo Session and Discussion Table Part A Chairs: Dr Dario Salvi, Dr Francesco Potorti</p>
<p>17:00 – 18:00</p> <p>17:00 – 17:20</p> <p>17:20 – 17:40</p> <p>17:40 – 18:00</p>	<p>Session 5: Software Frameworks and Interoperability Chairs: Dr Sofia Segkouli and Dr Po Yang</p> <p>Experiencer: An Open-source Context-Sensitive Wearable Experience Sampling Tool Khanshan, Alireza <a.khanshan@tue.nl> (Eindhoven University of Technology); Van Gorp, Pieter <p.m.e.v.gorp@tue.nl> (Eindhoven University of Technology); Markopoulos, Panos <p.markopoulos@tue.nl> (Eindhoven University of Technology)</p> <p>BONVITA: Enabling integrated self-care for improving chronic patients wellbeing Kondylakis, Haridimos <kondylak@ics.forth.gr> (FORTH-ICS); Kouroubali, Angelina <kouroub@ics.forth.gr> (FORTH-ICS); Katehakis, Dimitrios <katehaki@ics.forth.gr> (FORTH-ICS)</p> <p>Data Analytics For Health and Connected Care: Ontology, Knowledge Graph and Applications Steenwinckel, Bram <bram.steenwinckel@ugent.be> (Ghent Univeristy - imec); De Brouwer, Mathias <mrdbrouw.DeBrouwer@UGent.be> (Ghent University - imec); Stojchevska, Marija <marija.stojchevska@ugent.be> (Ghent University - imec); Van Der Donckt, Jeroen <jeroen.vanderdonckt@ugent.be> (Ghent University - imec); Nelis, Jelle <jelle.nelis@ugent.be> (Ghent University - imec); Ruysinck, Joeri <joeri@ml2grow.com> (ml2grow); van der Herten, Joachim <j Joachim@ml2grow.com> (ml2grow); Casier, Koen</p>

17:00 – 18:00	<p><koen.casier@amaron.be> (Amaron); Van Ooteghem, Jan <jan@amaron.be> (Amaron); Crombez, Pieter <p.crombez@televic.com> (Televic Healthcare); De Turck, Filip <filip.deturck@ugent.be> (Ghent University - imec); Van Hoecke, Sofie <sofie.vanhoecke@ugent.be> (Ghent University - imec); Ongenaë, Femke <femke.ongenaë@ugent.be> (Ghent University - imec)</p> <p>[Room Zefyros] Parallel Workshop - IoT-HR: Workshop on Internet of Things in Health Research – Demo Session and Discussion Table Part B Chairs: Dr Dario Salvi, Dr Francesco Potorti</p>
18:15 – 18:30	Departure for Gala Social Dinner (Bus departure from CERTH premises to the city centre)
19:00	Gala Social Dinner - Dore Zythos Restaurant (near White Tower)

Day Two, 13th December 2022

DAY 2 – PervasiveHealth 2022 Edition	
9:00 – 10:00	<p>Session 6: Facial Recognition, Gesture Recognition and Object Detection Chairs: Dr Ilias Kalamaras and Dr Eleni Georga</p>
9:00 – 9:20	<p>A quantitative comparison of manual vs. automated facial coding using real life observations of fathers Burgess, Romana <az19326@bristol.ac.uk> (University of Bristol); Culpin, Iryna <i.culpin@mmu.ac.uk> (Manchester Metropolitan University); Bould, Helen <Helen.Bould@bristol.ac.uk> (University of Bristol); Pearson, Rebecca <r.pearson@mmu.ac.uk> (Manchester Metropolitan University); Nabney, Ian <ian.nabney@bristol.ac.uk> (University of Bristol)</p>
9:20 – 9:40	<p>Knowledge-Driven Dialogue and Visual Perception for Smart OR López Fernández, Jacobo <jlopez@vicomtech.org> (Vicomtech Foundation); Unzueta, Luis <lunzueta@vicomtech.org> (Vicomtech Foundation); García-a, Meritxell <mgarciap@vicomtech.org> (Vicomtech Foundation); Aguirre, Maia <magirre@vicomtech.org> (Vicomtech Foundation); MÃñdez, Ariane <amendez@vicomtech.org> (Vicomtech Foundation); Del Pozo, Arantza <adelpozo@vicomtech.org> (Vicomtech Foundation)</p>
9:40 – 10:00	<p>MM4Drone: A Multi-Spectral Image and MmWave Radar Approach for Identifying Mosquito Breeding Grounds via Aerial Drones Mahima, K.T.Yasas <yasasm@scorelab.org> (University of Colombo, School of Computing, Sri Lanka); Weerasekara, Malith <malithk@scorelab.org> (University of Colombo, School of Computing, Sri Lanka); De Zoysa, Kasun <kasun@ucsc.cmb.ac.lk> (University of Colombo School of Computing, Sri Lanka); Keppitiyagama, Chamath <chamath@ucsc.cmb.ac.lk> (University of Colombo, School of Computing, Sri Lanka); Flierl, Markus <mflierl@kth.se> (KTH Royal Institute of Technology, Electrical Engineering and Computer Science, Stockholm, Sweden); Mottola, Luca <luca.mottola@ri.se> (RISE Research Institutes of Sweden and Uppsala University, Department of Information Technology, Sweden); Voigt, Thiemo <thiem.voigt@it.uu.se> (RISE Research Institutes of Sweden and Uppsala University, Department of Information Technology, Sweden)</p>
9:00 – 10:00	<p>[Zefyros Room] Parallel Tutorial: Wearable Intelligence for Parkinson Disease Diagnosis in Free-living Environment: A Huawei Smartwatch System Case Study Chairs: Xulong Wang, Peng Yue, Dr Po Yang</p>

10:00 – 11:00	Session 7: Machine Learning, Predictive Models and Personalised Healthcare Chairs: Dr Anastasios Alexiadis and Nikolaos Siopis
10:00 – 10:20	Spatio-temporal Predictive Modeling for Placement of Substance Use Disorder Treatment Facilities in the Midwestern U.S Pater, Jessica <Jessica.Pater@parkview.com> (Parkview Research Center); Guha, Shion <Shion.Guha@parkview.com> (Parkview Research Center); Pfafman, Rachel <Rachel.Pfafman@parkview.com> (Parkview Research Center); Kerrigan, Connie <Connie.Kerrigan@parkview.com> (Parkview Behavioral Health); Toscoss, Tammy <Tammy.Toscoss@parkview.com> (Parkview Research Center)
10:20 – 10:40	Linking data collected from mobile phones with disease level in Parkinson’s. Data exploration of the mPower study Ymeri, Gent <gent.ymeri@mau.se> (Malmo University); Salvi, Dario <dario.salvi@mau.se> (Malmo University); Olsson, Carl Magnus <carl.magnus.olsson@mau.se> (Malmo University)
10:40 – 11:00	An Exploratory Study of the Value of Vital Signs on the Short-term Prediction of Subcutaneous Glucose Concentration in Type 1 Diabetes: The GlucoseML Study Katsarou, Daphne N. <d.katsarou@uoi.gr> (Unit of Medical Technology and Intelligent Information Systems, Dept. of Materials Science and Engineering, University of Ioannina, Ioannina, GR45110, Greece); Georga, Eleni I. <egewrga@gmail.com> (Unit of Medical Technology and Intelligent Information Systems, Dept. of Materials Science and Engineering, University of Ioannina, Ioannina, GR45110, Greece & Biomedical Research Institute, FORTH, University Campus of Ioannina, Ioannina, GR45110, Greece); Christou, Maria <mariachristou1@gmail.com> (Dept. of Endocrinology, University Hospital of Ioannina, Ioannina, GR45110, Greece); Tigas, Stelios <stigas@uoi.gr> (Dept. of Endocrinology, University Hospital of Ioannina, Ioannina, GR45110, Greece); Papaloukas, Costas <papalouk@uoi.gr> (Dept. of Biological Applications and Technology, University of Ioannina, Ioannina, GR45100, Greece); Fotiadis, Dimitrios <fotiadis@uoi.gr> (Unit of Medical Technology and Intelligent Information Systems, Dept. of Materials Science and Engineering, University of Ioannina, Ioannina, GR45110, Greece & Biomedical Research Institute, FORTH, University Campus of Ioannina, Ioannina, GR45110, Greece)
10:00 – 11:00	[Zefyros Room] Parallel Tutorial: Wearable Intelligence for Parkinson Disease Diagnosis in Free-living Environment: A Huawei Smartwatch System Case Study Chairs: Xulong Wang, Peng Yue, Po Yang
11:00 – 11:30	Coffee Break
11:30 – 12:30	Session 8: Human-Centred Design of Pervasive Health Solutions Chairs: Nikolaos Siopis and Eirini Lithoxidou
11:30 – 11:50	Dance Mat Fun - A Participatory Design of Exergames for Children with Disabilities Roxo, Gonçalo <g.roxo@campus.fct.unl.pt> (NOVA School of Science and Technology); Nóbrega, Rui <rui.nobrega@fct.unl.pt> (NOVA School of Science and Technology); Madeira, Rui <rui.madeira@estsetubal.ips.pt> (NOVA LINC/S/FCT/Nova University of Lisboa)
11:50 – 12:10	Designing hearing aids to mitigate perceived stigma associated with hearing impairment Sun, Guanhua <gsun63@gatech.edu> (Georgia Institute of Technology); Wilson, Wendell <wendell.wilson@design.gatech.edu> (Georgia Institute of Technology); Aflatoony, Leila <leila.aflatoony@design.gatech.edu> (Georgia Institute of Technology)

12:10 – 12:30	<p>Demands on user interfaces for people with intellectual disabilities, their requirements, and adjustments Braun, Melinda C. <melinda.braun@h-ka.de> (Hochschule Karlsruhe); WÄ¶llfel, Matthias <matthias.woelfel@h-ka.de> (Hochschule Karlsruhe)</p>
11:30 – 12:30	<p>[Zefyros Room] Video Presentations</p> <p>A Rule Mining and Bayesian Network Analysis to Explore the Link Between Depression and Digital Behavioral Markers of Games App Usage Ahmed, Md. Sabbir <msg2sabbir@gmail.com> (North South University); Hasan, Tanvir <tanvirfuad00@gmail.com> (North South University); Rahman, Md. Mahfuzur <dean_et@easternuni.edu.bd> (Eastern University); Ahmed, Nova <nova.ahmed@northsouth.edu> (North South University)</p> <p>Health data semantics: Exploring requirements for sustainable health systems Bestek, Mate <mate.bestek@gmail.com> (IT University of Copenhagen); GrÄ¶nval, Erik <erig@itu.dk> (IT University of Copenhagen)</p> <p>Less Is More: Leveraging Digital Behavioral Markers for Real-Time Identification of Loneliness in Resource-Limited Settings Ahmed, Md. Sabbir <msg2sabbir@gmail.com> (North South University); Ahmed, Nova <nova.ahmed@northsouth.edu> (North South University)</p> <p>Millimeter Wave Radar Sensing Technology for Filipino Sign Language Recognition Herrera, Jorelle Aaron <aaronherrera2543@gmail.com> (University of the Philippines Diliman); Muro, Almira Astrid <aafmuro@gmail.com> (University of the Philippines Diliman); Tuason, Philip Luis <philipluistuason@gmail.com> (University of the Philippines Diliman); Alpano, Paul Vincent <psalpano@gmail.com> (University of the Philippines Diliman); Pedrasa, Jhoanna Rhodette <jpedrasa@up.edu.ph> (University of the Philippines Diliman)</p> <p>mHealth for Medication and Side Effect Monitoring: Pa-tientsâ€™ Attitudes Toward Smart Devices for Managing Oral Chemotherapy during Lung Cancer Treatment Baglione, Anna N <ab5bt@virginia.edu> (University of Virginia); Tolman, Sarah A <sat2ew@virginia.edu> (University of Virginia); Dapaah, Chloe <cdd9zru@virginia.edu> (University of Virginia); Johnson, Danielle <dbj4njw@virginia.edu> (University of Virginia); Wells, Kristen J <kwells@sdsu.edu> (San Diego State University); Hall, Richard D <rdh3q@uvahealth.org> (University of Virginia); Gentzler, Ryan D <rg2uc@uvahealth.org> (University of Virginia); Barnes, Laura E <lb3dp@virginia.edu> (University of Virginia)</p>
12:30 – 14:30	<p>Lunch & Coffee Break</p>
14:30 – 15:30	<p>Session 9: Personalized Healthcare Chairs: Dr Dario Salvi and Dr Sofia Segkouli</p> <p>14:30 – 14:50</p> <p>Understanding barriers of missing data in Personal Informatics Systems Wen, Nannan <naw66@pitt.edu> (University of Pittsburgh); Mallavarapu, Aditi <amallavarapu@digitalpromise.org> (Visiting scholar at the University of Pittsburgh); Biehl, Jacob <biehl@pitt.edu> (Associate Professor at the University of Pittsburgh); Walker, Erin <eawalker@pitt.edu> (Associate Professor at the University of Pittsburgh); Babichenko, Dmitriy <dmb72@pitt.edu> (Clinical Associate Professor at the University of Pittsburgh)</p> <p>14:50 – 15:10</p> <p>"I have to do something about it" - An Exploration of How Dashboards Invoke Self-Reflections in Chronic Obstructive Pulmonary Disease Patients</p>

<p>15:10 – 15:30</p>	<p>Nadarajah, Stephanie <stephanie.githa@gmail.com> (Aalborg University); Pedersen, Peder <pederstudio@gmail.com> (Aalborg University); Skovfoged, Milo Marsfeldt <mmsk@create.aau.dk> (Aalborg University); Ziadeh, Hamzah <hazi@create.aau.dk> (Aalborg University); Knoche, Hendrik <hk@create.aau.dk> (Aalborg University)</p> <p>Design of a social chatbot with gamification for user profiling and smoking trigger detection</p> <p>Bosschaerts, Kyana <kyana.bosschaerts@ugent.be> (Ghent University - imec); Stragier, Jeroen <jeroen.stragier@ugent.be> (Ghent University - imec); Steenwinckel, Bram <bram.steenwinckel@ugent.be> (Univeristy Ghent - imec); De Marez, Lieven <lieven.demarez@ugent.be> (imec-mict-Ugent); Van Hoecke, Sofie <sofie.vanhoecke@ugent.be> (Ghent University - imec); Ongenaë, Femke <femke.ongenaë@ugent.be> (Ghent University)</p>
<p>14:30 – 15:30</p>	<p>[Zefyros Room] Video Presentations</p> <p>Specification of Quality of Context Requirements for Digital Phenotyping Applications</p> <p>Laurindo, LuÃ-s <luis.laurindo@lsdi.ufma.br> (Universidade Federal do Maranhão); Moura, Ivan <ivan.rodrigues@lsdi.ufma.br> (Federal University of Maranhão); Coutinho, Luciano <luciano.rc@ufma.br> (Federal University of Maranhão); Silva, Francisco <fssilva@lsdi.ufma.br> (Federal University of Maranhão)</p> <p>Exploring the Design Space of Technological Interventions for Menopause: A Systematic Review</p> <p>Payyapilly Thiruvenganathan, Kamala <kamala.pt@psu.edu> (The Pennsylvania State University); Bardzell, Shaowen <sbardzell@psu.edu> (The Pennsylvania State University); Bardzell, Jeffrey <jeffrey.bardzell@psu.edu> (The Pennsylvania State University)</p> <p>Application of Shapley Additive Explanation towards Determining Personalized Triage from Health Checkup Data</p> <p>Luo, Sixian <luo.sixian.535@s.kyushu-u.ac.jp> (Kyushu University); Imamura, Yosuke <imamura.yosuke.195@s.kyushu-u.ac.jp> (Kyushu University); Ahmed, Ashir <ashir@ait.kyushu-u.ac.jp> (Kyushu University)</p> <p>Dehydration Scan: An Artificial Intelligence Assisted Smartphone-based System for Early Detection of Dehydration</p> <p>Zulfiker, Syed Muhammad Ibne <syedmuhammadibnezulfiker@gmail.com> (Bangladesh University of Engineering and Technology); Saha, Priyeta <priyetasaha@gmail.com> (Bangladesh University of Engineering and Technology); Hashem, Tanzima <tanzimahashem@gmail.com> (Bangladesh University of Engineering and Technology); Islam, Khandker Aftarul <aftarulislam@gmail.com> (Bangladesh University of Engineering and Technology)</p> <p>Patient Data Work with Consumer Self-Tracking: Exploring Affective and Temporal Dimensions in Chronic Self-Care</p> <p>Andersen, Tariq Osman <tariq@di.ku.dk> (University of Copenhagen); Fritsch, Jonas <frit@itu.dk> (IT University of Copenhagen); Matthiesen, Stina <matthiesen@di.ku.dk> (University of Copenhagen)</p> <p>A Low-Cost Wearable System to Support Upper Limb Rehabilitation in Resource-Constrained Settings</p> <p>Ahmed, Md. Sabbir <msg2sabbir@gmail.com> (North South University); Amir, Shajnush <shajnush.amir@northsouth.edu> (North South University); Atiba, Samuelson <atibas@cardiff.ac.uk> (Cardiff University); Rony, Rahat Jahangir <rahat.rony@northsouth.edu> (North South University); Dias, Nervo Verdezoto <verdezotodiasn@cardiff.ac.uk> (Cardiff University); Sparkes, Valerie <sparkesv@cardiff.ac.uk> (Cardiff University); Stawarz, Katarzyna</p>

	<stawarz@cardiff.ac.uk> (Cardiff University); Ahmed, Nova <nova.ahmed@northsouth.edu> (North South University)
15:30 – 15:45	Announcement of Best Paper Award
15:45 – 16:00	Departure for Goodbye Drinks (Bus departure from CERTH premises to Thessaloniki Waterfront)
16:30	Goodbye Drinks – Ciel Bar Restaurant (Thessaloniki Waterfront)