

Day 3 (Saturday, December 18, 2021) - Workshop AIIOT4DH (Timezone EST – US East Coast)

7:30-8:15	Breakfast
8:15-8:30	Opening: Greetings from the General Chair of the Workshop - Giancarlo Fortino (University of Calabria, Italy)
8:30-9:00	Keynote Speaker: Paolo Bonato, Harvard Medical School, USA “Leveraging mHealth Technology to Improve the Clinical Management of Patients with Parkinson’s Disease” Session Chair: Giancarlo Fortino (University of Calabria, Italy)
9:00-9:15	Coffee Break
9:15-11:00	Workshop Session 1: <i>Machine and Deep Learning for e-Health</i> Session Chair: Giovanna Sannino, ICAR-CNR, Napoli, Italy <ol style="list-style-type: none"> 1. Yuting Yang, Gang Mei and Francesco Piccialli. Explainable Deep Learning Models on the Diagnosis of Pneumonia 2. Lida Kouhalvandi, Ladislau Matekovits and Ildiko Peter. Deep Learning and its Benefits in Prediction of Patients Through Medical Images 3. Eugenio Vocaturo and Ester Zumpano. Diabetic Retinopathy Images Classification via Multiple Instance Learning 4. Luca Cerny Oliveira, Zhengfeng Lai, Wenbo Geng, Heather Siefkes and Chen-Nee Chuah. A Machine Learning Driven Pipeline for Automated Photoplethysmogram Signal Artifact Detection 5. Lida Kouhalvandi, Ladislau Matekovits and Ildiko Peter. Key Generation of Biomedical Implanted Antennas Through Artificial Neural Networks 6. Giovanna Sannino, Giuseppe De Pietro and Ivanoe De Falco. Automatic Extraction of Interpretable Knowledge to Predict the Survival of Patients with Heart Failure
11:00-11:15	Coffee Break
11:15-12:15	Workshop Session 2: <i>Multi-Sensor based e-Health platforms</i> Session Chair: Emiliano Schena, Università Campus Bio-Medico di Roma, Italy <ol style="list-style-type: none"> 1. Daniela Lo Presti, Raffaele Gravina, Carlo Massaroni, Domenico Formica, Emiliano Schena and Giancarlo Fortino. A Multisensory Platform for maximizing Collective Intelligence in the Operating Room 2. Deborah Falcone, Carmela Comito, Agostino Forestiero and Giuseppe Papuzzo. A dynamic power-aware strategy for Smart Health applications

	<p>3. Vassilios Solachidis, Jaime Rodriguez Moreno, Gustavo Hernández-Peñaloza, Nicholas Vretos, Federico Alvarez and Petros Daras. TeNDER: towards efficient Health Systems through e-Health platforms employing multimodal monitoring</p> <p>4. Blanca Tébar and Anandha Gopalan. Early Detection of Eating Disorders using Social Media</p>
12:15-13:15	Lunch
13:15-14:15	<p>Panel: “Circuits of Care”</p> <p>Panelists:</p> <ol style="list-style-type: none"> 1. Marco Manso, Edgeneering, Portugal 2. Naonori Kodate, University College Dublin, Ireland 3. Emiliano Schena, Università Campus Bio-Medico di Roma, Italy <p>Moderator: Marco Manso (Edgeneering, Portugal)</p>
14:15-15:15	<p>Workshop Session 3: <i>Digital Twins systems in e-Health</i></p> <p>Session Chair: Agostino Forestiero, ICAR-CNR, Rende (CS), Italy</p> <ol style="list-style-type: none"> 1. Kamran Gholizadeh Hamlabadi, Monireh Vahdati, Ali Mohammad Saghiri and Agostino Forestiero. The Digital Twins in cancer: State-of-the-art and open research 2. Mohammad Abdeen, Mohamed Hossam Ahmed, Hafez Seliem, Mustafa El-Nainay and Tarek Rahil Sheltami. Improving the Performance of Ambulance Emergency Service Using Smart Health Systems 3. Marco Manso, Barbara Guerra, Melanie Labor, Michael Cooke and Malcolm MacLachlan. Envisioning the Future: Activity-centred CONOPS in the Co-Design of a Sociotechnical System for Healthy Ageing 4. Emilio Sulis, Alex Cordero, Simone Donetti, Paolo Ferrero and Andrea Violato. A Framework for Project Risk Assessment in Telehealth
15:15	<p>Closing: Farewell from the General Chair of the Workshop - Giancarlo Fortino (University of Calabria, Italy)</p>