



Workshop LTC-2021

Social Innovation in Long-Term Care through Digitalization

Faculty Club, Facoltà di Ingegneria, Ancona, Italy

<https://uc-lab.in.htwg-konstanz.de/news/532-ltc2021.html>

Remote connection allowed without registration.

In person participation: with greenpass, free of charge registration required (up to the room capability) by email to m.conti@univpm.it

Tuesday, November 2, 2021

10.00 Registration

10.30 **Welcome:** *Maurizio Bevilacqua (UnivPM)*

10.45 **Session 1** (Chairman S.Orcioni)

"Definition of digital social innovation roadmap"

1. Bernhard Wolf, **Petra Friedrich (R)** and Christian Scholze, "Electronic assistance systems in times of demographic change"
2. Leandro Lucangeli, Noemi D'Abbondanza, Emanuele D'Angelantonio, Martina Ferrazza, Valentina Camomilla, Emanuele Piuze and **Antonio Pallotti (R)**, "Sensorized Shirt, Belt and Socks for Telemonitoring and Long-Term Care"
3. Sara Casaccia, **Nicole Morresi (P)**, Gian Marco Revel and Lorenzo Scalise, "Measurement procedure for daily motion and sleep classification in aging people using smartwatch data"
4. **Lucas Weber (P)** and Ralf Seepold, "Democratizing Digital, "Health Algorithms: RESTful machine learning webservices"
5. **Massimo Conti (P)**, Simone Orcioni, Maksym Gaiduk, Natividad Martinez Madrid and Ralf Seepold, "State of the art of research and dataset in seismocardiography"

13.00 Lunch

Wednesday, November 3

10.00 **Round table** (Chairman M. Conti, R. Seepold)

"Comparison of the LTC (long-term care) processes of the cooperation partners"

- **Gian Luca Gregori (P)**, Rettore UnivPM
- **Andrea Giovagnoni (P)**, Direttore Dip. Scienze Cliniche Specialistiche ed Odontostomatologiche, UNIVPM
- **Umberto Nizzoli (R)**, Presidente SISDCA (Società Italiana dei Disturbi dell'Alimentazione)
- **Lisa Guidi (R)**, Responsabile Istituto Specchidacqua cura, prevenzione e ricerca dei Disturbi del Comportamento Alimentare e Obesità
- **Michele Caporossi (P)**, Direttore Ospedali Riuniti Ancona
- **Francesca Scocchera (P)**, COOSS (Cooperativa Sociale)
- **Lorena Rossi (P)**, IRCCS INRCA (Istituto di Ricovero e Cura a Carattere Scientifico)
- **Giovanni Lamura (P)**, IRCCS INRCA

13.00 Lunch

15.00 **Session 2** Invited presentation

"Technological transfer in the Onlife era"

Marco Bianchessi, STMicroelectronics, (P), Pierluigi Gardella, (ST, R)

15.45 **Session 2** (Chairman M.Conti)

"Comparison of the LTC (long-term care) processes of the cooperation partners"

1. Marco Cereda, Davide Cucchi, Alessandro Bramanti, Alessandro Cocci, Francesco Ferrara, Pietro Ferrari, Danilo Pirola, Lillo Raia, Nadia Serina and **Marco Bianchessi (P)**, "A Compact Fully Automated Nucleic Acid Extractor"
2. **Silvia Panicacci (R)**, Massimiliano Donati, Alessio Ruiu, Alberto Lubrano, Martina Olivelli, Sergio Saponara and Luca Fanucci, "Leveraging from the SatNav E@syCare experience in COVID-19 pandemic towards an extensive use of telemedicine in chronic patients long-term care model"
3. **Indrit Enesi (R)** and Elma Zanjaj, "Increasing quality in fingerprint images by optimizing wavelet fusion parameters based on regional variance"
4. Lorenzo Gabrielli, Massimo Conti, **Simone Orcioni (P)**, Maksym Gaiduk, Natividad Martinez Madrid and Ralf Seepold, State of the art of wearable sensors for healthcare"
5. **Maksym Gaiduk (P)**, Simone Orcioni, Ralf Seepold, Natividad Martinez Madrid, Paola Pierleoni, Andrea Gentili, Laura Burattini, Agnese Sbröllini, Ilaria Marcantoni, Micaela Morettini and Massimo Conti, "A Dataset of seismocardiographic signals with ECG reference"

Thursday, November 4

10.00 **Session 3** (Chairman N. Martinez Madrid)

"Concepts for comprehensible process evaluation and sustainability"

1. **Ángel Serrano Alarcón (P)**, Natividad Martínez Madrid, Ralf Seepold and Juan Antonio Ortega, "The Role of Digital Twins in Personalized Sleep Medicine"
2. **Maksym Gaiduk (P)**, Ralf Seepold, Massimo Conti and Simone Orcioni, "Involving the handicapped or people in long-term care in tourism activities by the use of appropriate technologies"
3. **Daniel Velez Gutierrez (P)** and Natividad Martinez Madrid, "Komzet's "Finde-dein-SmartHome" tool: An useful tool to overpass potential barriers in Long-Term Care"
4. **Anastasiia Ostapenko (R)**, Monica De Angelis, "Some institutional and cultural challenges for social services in a post-pandemic era"
5. **Alhassan Hassan (R)**, "Challenges and Recommendations for the Deployment of Technology Solutions for Informal Caregivers"

12.00 **Invited presentation**

"VSM Study Watch: development platform for biomedical evaluation", Alessia Ruggieri (Analog Devices) **(R)**, Simone Angelici (Arrow) **(P)**

12.45 **Closing, Best Paper Award S.Fioretti (UnivPM)**

13.00 **Lunch**

(P): In Person (R): Remote

Organizers:



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