<table>
<thead>
<tr>
<th>Time</th>
<th>Monday, Dec. 20</th>
<th>Tuesday, Dec. 21</th>
<th>Wednesday, Dec. 22</th>
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<tbody>
<tr>
<td>09:00 - 10:10</td>
<td>Keynote Speaker 2</td>
<td>Coffee break</td>
<td>Oral Session 4 (3 technical papers)</td>
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<tr>
<td>10:10 - 10:40</td>
<td>Coffee break</td>
<td>Oral Session 2 (5 technical papers)</td>
<td>Coffee break</td>
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<tr>
<td>10:40 - 12:20</td>
<td>Oral Session 2 (5 technical papers)</td>
<td>Lunch</td>
<td>Cluster HealthTECH - Ongoing E-health projects funded by the European Commission</td>
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<tr>
<td>12:00 - 14:00</td>
<td>Registration</td>
<td>Lunch</td>
<td>ICDHT’Challenge awards Ceremony &amp; Closing Ceremony</td>
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<tr>
<td>14:00 - 14:30</td>
<td>Opening Ceremony</td>
<td>Keynote Speaker 3</td>
<td>Lunch</td>
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<tr>
<td>14:30 - 15:10</td>
<td>Keynote Speaker 1</td>
<td>Coffee break</td>
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<tr>
<td>15:10 - 15:40</td>
<td>Coffee break</td>
<td>Oral Session 3 (4 technical papers)</td>
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<tr>
<td>15:40 - 17:20</td>
<td>Oral Session 1 (5 technical papers)</td>
<td>Pitch presentations of ICDHT’Cha</td>
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</table>
Keynote Speaker 1: Prof. Dr. Golubnitschaja

The paradigm change from reactive to predictive, preventive and personalized medicine: Challenges and benefits for multi-professional consideration

Keynote Speaker 2: Prof. Adrian BASARAB

Computational ultrasound imaging and a few related applications

Keynote Speaker 3: Prof. Nasr-Eddine BERRACHED

AI and Robotics in Health Applications: Examples in Brain-Robot Interfacing

Oral Session 1: Medical Imaging (MI)

Paper 21: A Multi-View DCNN Based Method for Breast Cancer Screening
Paper 16: Classification of Diabetic Retinopathy Retinal Images using Deep Neural Network
Paper 18: Detection of Retinopathy of Prematurity Zones Utilizing Deep Neural Networks

Oral Session 2: Biomedical Electronics and Devices (BED)

Paper 4: Robust analysis and spectral-based deep learning to detect driving fatigue from EEG signals
Paper 9: Physiological/Non-physiological artifacts classification using EEG signals based on CNN
Paper 15: Maintenance devices prioritization decisions in health care systems within Multigranular Linguistic 2-Tuple-ARAS model
Paper 19: Real time mobile E-Health platform for vital signals monitoring and ECG classification using 1D CNN
Paper 22: EMG Signal Classification for Hand Rehabilitation via Two Machine Learning Techniques: kNN and SVM

Oral Session 3: Artificial Intelligence in E-health (AIE)

Paper 2: Doctors’ resistance of Artificial Intelligence in Healthcare
Paper 7: Synthesis of 7T MRI from 3T Brain MRI of Marmosets Using Deep Learning
Paper 3: Deep learning-based Cervical Cancer Classification
Paper 12: Impact of attention mechanism on U-Net architecture for the Left Ventricle segmentation
Paper 10: An intelligent stress detection and monitoring system using the IoT environment

Oral Session 4: Semantic Data Analysis for E-health (SDAE)

Paper 8: Towards a smart pervasive conversational agent for COVID-19 psychological assistance based on NLP
Paper 14: Methods to Detect Divided Attention Impairments in Alzheimer’s Disease: a review
Paper 20: Applying MDE for Healthcare systems
Cluster HealthTECH - Ongoing E-health projects funded by the European Commission

Presentation of the cluster HealthTECH, Dr. Kawthar Ayedi: Manager Cluster Healthtech

IRADA project: To support the development and the promotion of the HealthTECH Cluster
   Dr. Yasmine Koubaa: Project coordinator Sfax Technopark

BETTER eHEALTH for Better Health, Dr. Sana Rekik: Project coordinator Cluster Healthtech

State of e-health standards and interoperability and e-health infrastructure in Tunisia, Ms Lamia Ben Amor: Project member Cluster Healthtech