



## IEEE ICTS4eHealth 2016

THE FIRST IEEE WORKSHOP ON ICT SOLUTIONS FOR EHEALTH  
in conjunction with the [Twenty-First IEEE Symposium on Computers and Communications](#)

**Messina, Italy**

**June 27th, 2016**

### PROGRAM

09:00 - 09:10	Opening
SESSION 1. Session Chair: TBA	
09:10 - 10:30	<p>Cyber-Healthcare for Public Healthcare in the Developing World Munyaradzi Mandava, Claude Kakoko and Adiel Ismail, Herman Bagula, Antoine Bagula (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>Sequential Pattern Mining on Electronic Medical Records with Handling Time Intervals and the Efficacy of Medicines</i> Keishiro Uragaki, Tomoyuki Hosaka, Yoshitaka Arahori, Muneo Kushima, Tomoyoshi Yamazaki, Kenji Araki, Haruo Yokota (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>A GPU Parallel Implementation of the Local Principal Component Analysis Overcomplete Method for DW Image Denoising</i> Salvatore Cuomo and Pasquale De Michele, Ardelio Galletti and Livia Marcellino (full paper - presentation 20 min, questions 5 min)</p>
10:30 - 10:45	Coffee Break
SESSION 2. Session Chair: TBA	
10:45 - 12:30	<p>Streaming Medical Images Using Video Compression Mahmoud Shaiboun and Mohamed Shaheen (full paper - presentation 20 min, questions 5 min)</p>

	<p><i>The COLLABORADI Project: a Rule-Based Diagnostic Imaging Prescription System</i>  Orazio Tomarchio, Giuseppe Di Modica, Domenico Calcaterra and Placido Romeo  (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>Modeling Communication Network Requirements for an Integrated Clinical Environment in the Prototype Verification System</i>  Cinzia Bernardeschi and Andrea Domenici, Paolo Masci  (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>A Differential Evolution Approach for Classification of Multiple Sclerosis Lesions</i>  Ivanoe De Falco, Umberto Scafuri and Ernesto Tarantino  (full paper - presentation 20 min, questions 5 min)</p>
12:30 - 14:00	Lunch
SESSION 3. Session Chair: TBA	
14:00 - 15:45	<p><i>A Novel Device for Self-acquisition of ECG Signal in Telemedicine Systems for Chronic Patients</i>  Massimiliano Donati, Alessandro Benini, Alessio Celli, Fabrizio Iacopetti and Luca Fanucci  (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>A Wearable Mobility Aid for the Visually Impaired Based on Embedded 3D Vision and Deep Learning</i>  Matteo Poggi and Stefano Mattoccia  (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>Using Google Cloud Vision in Assistive Technology Scenarios</i>  Davide Mulfari, Antonio Celesti, Maria Fazio, Massimo Villari and Antonio Puliafito  (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>Identifying Quantitative Thresholds for the Home Health Care Problem</i>  Jamal Abdul Nasir and Chuangyin Dang  (full paper - presentation 20 min, questions 5 min)</p>
15:45 - 16:00	Coffee Break
SESSION 4. Session Chair: TBA	
16:00 - 17:50	<p><i>An Architecture for Using Commodity Devices and Smart Phones in Health Systems</i>  Geir Horn, Frank Eliassen, Amir Taherkordi, Salvatore Venticinque, Beniamino Di Martino, Monika Büscher and Lisa Woods  (full paper - presentation 20 min, questions 5 min)</p>
	<p><i>Analytic and Learning Framework for Quantifying Value in Value Based Care</i></p>

	<p><b>Prasad Saripalli</b> (full paper - presentation 20 min, questions 5 min)</p>
	<p><b><i>New Trends in Biotechnology: The Point on NGS Cloud Computing Solutions</i></b> Antonio Celesti, Maria Fazio, Fabrizio Celesti, Giovanna Sannino, Salvatore Campo and Massimo Villari (short paper - presentation 10 min, questions 5 min)</p>
	<p><b>Trend of FEV1 in Cystic Fibrosis Patients: A Telehomecare Experience</b> Fabrizio Murgia, Irene Tagliente, Italo Zoppis, Giancarlo Mauri, Francesco Sicurello, Francesco Bella, Vanessa Mercuri, Eugenio Santoro, Gianluca Castelnovo and Sergio Bella (short paper - presentation 10 min, questions 5 min)</p>
	<p><b>Embedded Implementation of an Eye-in-Hand Visual Servoing Control for a Wheelchair Mounted Robotic Arm</b> Alessandro Palla, Luca Sarti, Alessandro Frigerio and Luca Fanucci (short paper - presentation 10 min, questions 5 min)</p>
	<p><b><i>Modular Health Kiosk for Health Self-Assessment</i></b> Eduardo Soares, Cristina Oliveira, João Maia, Rafael Almeida, Miguel Coimbra, Pedro Brandão and Rui Prior (short paper - presentation 10 min, questions 5 min)</p>
17:50 - 18:00	Closing