

eTELEMED 2014

Foreword

The Sixth International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2014), held between March 23-27, 2014 in Barcelona, Spain, continued a series of events related to advances in techniques, services, and applications dedicated to a global approach of eHealth, including a regard on federated aspects considering the mobility of population, the cross-nations agreements, and the new information technology tools.

We are facing the generalization of digital society across multiple social areas. The globalization imposes the revision of the health costs a society can support. The progress in difference domains, such as image processing, wireless communications, computer vision, cardiology, and information storage and management assure a virtual team to access online to the latest achievements.

Processing medical data now benefits from advanced techniques for color imaging, visualization of multi-dimensional projections, Internet imaging localization archiving as well as from a higher resolution of medical devices.

Collecting, storing, and handling patient data requires robust processing systems, safe communications and storage, and easy and authenticated online access.

We assist to an unprecedented and rapid deployment of use of electronic imagery, navigation portals, positive attitude on telemedicine, distributed surgery teams, tele-cardiology, and remote medicine. Development of wireless homecare, of special types of communications with patient data, of videoconferencing and tele-presence, and the progress in image processing and data protection increased the eHealth applications and services, and extended Internet-based patient coverage areas. Social and economic aspects, as well as the integration of classical systems with the telemedicine systems, are still challenging issues.

We take here the opportunity to warmly thank all the members of the eTELEMED 2014 Technical Program Committee, as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and efforts to contribute to eTELEMED 2014. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the eTELEMED 2014 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that eTELEMED 2014 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the areas of eHealth, Telemedicine, and social medicine.

We are convinced that the participants found the event useful and communications very open. We hope that Barcelona, Spain, provided a pleasant environment during the conference and everyone saved some time to enjoy the charm of the city.

eTELEMED 2014 Chairs:

Lisette Van Gemert-Pijnen, University of Twente - Enschede, The Netherlands

Hans C. Ossebaard, National Institute for Public Health and the Environment - Bilthoven, The

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Amir Hajjam-El-Hassani, University of Technology of Belfort-Montbéliard, France

Päivi Hämäläinen, The National Institute for Health and Welfare - Helsinki, Finland

Frank Lievens, Med-e-Tel, Belgium

Åsa Smedberg, Stockholm University/The Royal Institute of Technology, Sweden

Piero Giacomelli, SPAC SPA -Arzignano (Vicenza), Italia

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