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Electronic Healthcare

4th International Conference, eHealth 2011
Málaga, Spain, November 21-23, 2011
Revised Selected Papers

Springer

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ISSN 1867-8211 e-ISSN 1867-822X
ISBN 978-3-642-29261-3 e-ISBN 978-3-642-29262-0
DOI 10.1007/978-3-642-29262-0
Springer Heidelberg Dordrecht London New York

Library of Congress Control Number: 2012934259

CR Subject Classification (1998): K.4, I.2, J.3-4, H.4, C.2, H.5

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Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Preface

It is our great pleasure to introduce the special issue of LNICST comprising the scientific presentations at the 4th ICST International Conference on eHealth (eHealth 2011) that took place in Málaga, Spain, during November 21–23, 2011.

Following the great successes of eHealth 2008 in London, 2009 in Istanbul, and 2010 in Casablanca, a specific aim of eHealth 2011 was research into social networks for epidemic intelligence, a new rapidly emerging field bringing together data mining, Web intelligence, social networks, and Web 2.0 technologies to assist public health and field epidemiology.

We selected 20 full and 8 short technical presentations by speakers from five continents. Revisited papers appear in these proceedings and cover a wide range of topics, including: social media analysis, personalization and patient support systems, early warning systems and mobile monitoring, games and learning, online support for professionals and patients, and agents in eHealth.

As in previous years, we were delighted to welcome two prestigious keynote speakers. Denis Coulombier, the head of unit for Surveillance and Response Support at ECDC, discussed epidemic intelligence from a European perspective, while S. Yunkap Kwankam delivered a talk on realizing the full potential of information and communication technology on global health.

In addition to our keynote speakers we invited a wide range of speakers from industry, hospitals, and public health organizations. These were: Johan Muskens (Philips Research Europe), Caroline Crousillat (Orange Healthcare), Jeremy Nettle (Oracle Corporation), Corinne Marsolier (Cisco Europe), Frederic Lievens (Med-e-Tel and ISfTeH), Anouk Berger (WHO), Nuria Oliver (Telefónica Digital), Josette Najjar-Pellet (Fondation Mérieux), Alberto E. Tozzi (Bambino Gesu Hospital, Rome, Italy), Rossana Alessandrello (Barcelona Digital Technology Centre) and Ciro Cattuto (ISI Foundation).

In the current economic situation it is essential to understand better the financial landscape supporting eHealth research, translational research, and healthcare delivery. It has become ever more challenging to secure funding for eHealth and ICT services to improve national and global health. We created a special funding session at eHealth 2011 and were delighted to have Jenny Tooth (Angel Capital Group) as invited speaker to discuss these issues and challenges with the audience.

In a panel discussion chaired by Connie St. Louis entitled "Panic or Risk?", Peter Openshaw from Imperial College and Ben Duncan of ECDC gave their views and answered audience questions on what health care agencies and the media can do to communicate risk without causing panic using the H1N1 outbreak in 2009 as an example. As a novel (and successful) experiment, both panellists took part by video conference, from the UK and Sweden, respectively.

Ed de Quincey and Gawesh Jawaheer chaired a joint posters and demos session at eHealth 2011, which was very well attended and provoked lively discussions. Twelve posters and eight demos were accepted for presentation. This year the session was "gamified" to encourage participation - in addition to awards for best poster and best demo, we also gave a prize for "best participant."

Organized and chaired by Tim Meldrum on the first evening of the conference, the Speed Networking Session was an enjoyable and informal event to bring together medical practitioners, industry delegates, and eHealth researchers in a unique forum to explore the cutting edge of eHealth knowledge, technology, and practice.

This year's edition of the conference made more use of social media than ever before. In addition to a conference Twitter account (@ehealthConf, with almost 600 followers at the time of writing) and hashtag (#ehealth2011), we had a Facebook page (www.facebook.com/eHealthConf, with 79 "fans") and a Flickr poster gallery (www.flickr.com/photos/eddequincey/galleries/72157628028815537/, 374 views at the time of writing). We covered the conference using a live blog written by Gozde Zorlu, with descriptions of the presentations and other sessions (http://electronic-health.org/). The blog had over 400 readers, and attracted 375 comments and questions during the conference.

We would like to thank all those who helped make eHealth 2011 such a success - including the authors of all submitted papers, demos and posters; the speakers; keynote and invited speakers; the panellists; the members of the Program and Organizing Committees; the Session Chairs; and the conference participants (both in person and online). Special thanks go to the Local Chair, Cristina Urdiales, together with student volunteers and local organizers. Finally, we thank ICST, CREATE-NET, and IEEE EMB for sponsoring the conference, and Springer for publishing this LNICST book.

Patty Kostkova
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