Welcome to Informatics for Health 2017

Dr Niels Peek, Local Organising Committee Chair
Mr Tony Lloyd, interim Mayor of Greater Manchester
Prof Christian Lovis, European Federation for Medical Informatics
Prof Iain Buchan, Farr Institute Manchester
Dr Ronald Cornet & Prof Colin McCowan, Scientific co-chairs
SPC Report & Scientific highlights

Chairs:
- **Dr Ronald Cornet**, Academic Medical Center, The Netherlands / Linköping University, Sweden
- **Prof Colin McCowan**, Robertson Centre for Biostatistics, University of Glasgow, UK

Committee:
- **Prof Damon Berridge**, Swansea University, UK
- **Dr Catherine Chronaki**, HL7 Foundation, Belgium
- **Prof Will Dixon**, University of Manchester, UK
- **Dr Catherine Goddard**, University of Dundee, UK
- **Prof Mira Hercigonja-Szekeres**, Hrvatsko Zagorje Polytechnics, Krapina, Croatia
- **Dr George Moulton**, University of Manchester, UK
- **Dr Rebecca Randell**, University of Leeds, UK
- **Dr Philip Scott**, University of Portsmouth, UK
- **Dr Paul Taylor**, UCL, UK
Submissions

Presentations

194 papers  
214 abstracts  
128 poster abstracts  
14 demonstrations  
24 panel abstracts  
37 workshop abstracts  

118 accepted (61%)  
140 accepted (65%)  
111 accepted (87%) + 
12 accepted  
17 accepted  
14 accepted
Topics

I. CONNECTED AND DIGITAL HEALTH
II. HEALTH DATA SCIENCE
III. HUMAN, ORGANIZATIONAL, AND SOCIAL ASPECTS
IV. KNOWLEDGE MANAGEMENT
V. QUALITY AND SAFETY, AND PATIENT OUTCOMES
Over recent years there has been major investment in research infrastructure to harness the potential of routinely collected health data. In 2013, The Farr Institute for Health Informatics Research was established in the UK, undertaking health informatics research to enhance patient and public health by the analysis of data from multiple sources and unleashing the value of vast sources of clinical, biological, population and environmental data for public benefit. The Medical Informatics Europe (MIE) conference is already established as a key event in the calendar of the European Federation of Medical Informatics (EFMI); The Farr Institute has been establishing a conference series. For 2017, the decision was made to combine the power and established reputational excellence of EFMI with the emerging and innovative research of The Farr Institute community to create ‘Informatics for Health 2017’, a joint conference that creates a scientific forum allowing these two communities to share knowledge, insights and experience, advance cross-disciplinary thinking, and stimulate creativity. This book presents the 116 full papers presented at that conference, held in Manchester, UK in April 2017. The papers are grouped under five headings: connected and digital health; health data science; human, organisational, and social aspects; knowledge management; and quality, safety, and patient outcomes, and the book will be of interest to all those whose work involves the analysis and use of data to support more effective delivery of healthcare.
Conference highlights

- **11 Tutorials** on Saturday and Sunday; 145 attendees
- **4 keynote speakers**
  - Monday 10:00-11:00 – Riccardo Bellazzi
  - Tuesday 8:30-9:30 – Susan Michie
  - Tuesday 14:30-15:30 – Frank van Harmelen
  - Wednesday 12:00-13:00 – Sally Okun
- Tuesday 16:00-17:30 **EFMI** special session
- Tuesday 11:30-13:00 **Farr Institute** Annual Meeting
- Posters – Monday and Tuesday
- Closing ceremony – award winners and draw for free access to MIE2018 in Gothenburg
Awards

• Awards Committee
• chaired by Prof Anne Moen and Prof Damon Berridge
• for the following Prizes
  • Peter L Reichertz Young Scientist Prize
  • Rolf Hansen Memorial Prize
  • Mantas’ Prize for Best Paper on Education in Biomedical and Health Informatics
  • Farr Institute Prize for best abstract for presentation
  • EFMI & Farr Institute Prizes for best abstract for poster
Peter L Reichertz
Young Scientist Prize

- Rosy Tsopra et al: Design of a visual interface for comparing antibiotics using rainbow boxes
- Marie-José Roos-Blom et al: Development of a web-based quality dashboard including a toolbox to improve pain management in Dutch intensive care
- Matthias Becker et al: Personalized Guideline-based Treatment Recommendations using Natural Language Processing Techniques
- Daniel Schlegel et al: HTP-NLP: A New NLP System for High Throughput Phenotyping
Rolf Hansen Memorial Prize

- **Archana Tapuria et al:** Establishment of requirements and methodology for the development and implementation of GreyMatters, a memory clinic information system

- **Brigitte Seroussi et al:** Use of a Nationwide Personally Controlled Electronic Health Record by Healthcare Professionals and Patients: A Case Study with the French DMP

- **David Morquin et al:** Using Work-processes modelization to fight the information technology “Magic Bullet” in Hospitals
Mantas’ Prize for Best Paper on Education in Biomedical and Health Informatics

- **Paula Procter**: Ubiquitous adoption of innovative and supportive information and communications technology across health and social care needs education for clinicians

- **Ilona Heldal et al**: Connecting the Links: Narratives, Simulation and Serious Games in Prehospital Training

- **Xin Li et al**: Understanding the Context of Learning in an Online Social Network for Health Professionals’ Informal Learning

- **Stefan Hochwarter et al**: Use and adaptation of open source software for capacity building to strengthen health research in low- and middle-income countries

- **Paul Taylor et al**: Project PEACH at UCLH: student projects in healthcare computing
Farr Institute Prize for best abstract for presentation

• **Marko Jovanovic et al:** The MediWeCo Project: A Wearable Sensor-Assisted Blended Learning Approach for Physiotherapy Education

• **Rebecca Joseph et al:** Standardisation of drug data preparation to improve the efficiency and transparency of pharmacoepidemiology

• **Jessica E. Lockery et al:** Designing the ASPREE Web Accessible Relational Database (AWARD) suite: Turning clinical concepts into health data

• **Antoine Lamer et al:** Development of a data quality taxonomy: case study with an anesthesia database


• **Jennifer Campbell et al:** Limitations for health research with restricted data collection from UK primary care: a systematic review
EFMI & Farr Best Poster Prizes

• Promising project, concluded or work in progress
• Align with the chosen topic of the actual conference
• The chosen poster employs the variety of features and modalities available for a poster
• Shortlist of approximately 40, scoring 3.6/5 or above
• Selected Posters across all main topics
Thanks for coming and enjoy Informatics for Health 2017

#IforH2017