

Nursing Informatics Beyond 2020; An Interactive Workshop Exploring Our Futures

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Abstract This interactive workshop will reflect on and update participants' views on possible future scenarios for the development of health and nursing informatics. The NI2006 Post Congress Conference discussed the future nature and scope of nursing informatics, nursing and healthcare, as viewed from likely developments between 2006 and 2020 [1]. Brief synopses from the NI2006 conference will be presented, with summaries of speakers' views on changes and progress since. Workshop participants will discuss major themes and changes, with a view to updating views on possible futures for nursing, healthcare and informatics.

Keywords. Nursing informatics, future, digital health, ubiquitous computing

1. Workshop Organization

The proposed speakers and discussion facilitators are:

Dr. W Scott Erdley, Simulation Education Specialist, Behling Simulation Center, University at Buffalo, SUNY, USA. Email: erdley@buffalo.edu Dr. Erdley has published and presented on health care high fidelity simulations for health care students from professions such as medicine, nursing, pharmacy and physical therapy.

Prof. Margaret Hansen, University of San Francisco, USA. Email: mhansen@usfca.edu Prof. Hansen's research interests include the use of mobile technologies in promoting health and well-being for adult surgical patients and the use of technology in enhancing higher education students' learning.

Prof. Hyeoun-Ae Park, Professor of Biostatistics and Health Informatics, College of Nursing Seoul National University, Seoul, Korea. Email: hapark@snu.ac.kr Past Chair of IMIA-NI; President, International Medical Informatics Association (IMIA). Professor Park's research interests include use of nursing and health terminology and classifications and detailed clinical models in electronic health records to promote interoperability. Prof. Park is currently working on a health avatar project developing and using intelligent virtual agents and quantified self for health promotion.

Dr. Susan K Newbold, Director, Nursing Informatics Boot Camp, Franklin, TN USA. Email: sknewbold@comcast.net Dr Newbold has extensive experience in nursing informatics education and practice, and is IMIA-NI Vice Chair Communications.

Dr. Karl Øyri, Senior Project Manager, Section for Method Development and Industry Collaboration, The Intervention Centre, Clinic for Diagnostics and Intervention, Oslo University Hospital, Norway. Email: karl@oyri.no Dr. Oyri has 15 years clinical practice and manager as a CCRN, and participation in projects.

Prof. Graham Wright, Adjunct Professor, School of Health Sciences, University of Fort Hare, South Africa. Email: profwright@gmail.com Prof. Wright has taught nursing and health informatics in the UK and South Africa, and is chair of the newly formed HELINA Education Working Group.

2. Workshop Description

2.1. Format

The workshop will focus on breakout group discussions of topics raised in the original 2006 conference and proceedings, and as identified by workshop participants.

Timeline

- Introduction: main outputs of NI2006 Post Conference [10 mins.]
- Brief overviews from speakers on what has been achieved (or not), and what has changed in the 10 years since the conference [20 mins.]
- Discussion (breakout groups) on key topics arising from the original 2006 meeting, and identified by workshop participants [30 mins.]
- Feedback from breakout groups; group discussion of how to anticipate or influence the future [20 mins.]
- Concluding 'next steps' discussion [10 mins.]

2.2. Description

Organisers and participants (the proposed speakers) from the NI2006 Post Congress Conference will present brief synopses of the future vision for nursing, healthcare and informatics as identified in the 2006 proceedings [1]. This will provide the context for workshop participants to identify key topics for discussion. The focus of the workshop is on participant interaction, and widespread exploration of a range of opinion. Topics to be discussed will include technological and societal changes that are impacting health and nursing, and the changing expectations of citizens and patients.

A website of resources will allow for curation of a range of materials, and to encourage discussion of issues by potential workshop participants, identification of key issues before, during and after the event, and sharing of resources (<https://ni2020futures.wordpress.com/>). Other existing work exploring health and nursing futures, including Medical Futurist Dr Bertalan Mesko's publications [2] (<http://www.medicalfuturist.com>), will be used to inform the workshop discussions; Dr Mesko has also agreed to provide Skype/video input to the workshop. Participants will be invited to continue discussions online after the workshop, and outputs of the workshop will form the basis for further activity at Medinfo2017 and NI2018.

References

- [1] P.J. Murray , H.A Park ,W.S Erdley, J Kim (eds). *Nursing Informatics 2020: towards defining our own future. Proceedings of NI2006 Post Congress Conference*. IOS Press, Amsterdam. 2007.
- [2] Mesko, B. *The guide to the future of medicine. Technology and the human touch*. Webicina Kft., Budapest. 2014.