



SIG1 – Nursing Informatics Special Interest Group

**2018 Report - July 2017 to June 2018
presented in Colombo, Sri Lanka for:**

- **IMIA Board Meeting, October 8, 2018,**
- **IMIA General Assembly Meeting, October 9, 2018**

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Website for SIG: <http://imia-medinfo.org/wp/sig-ni-nursing-informatics/>

LinkedIn of the WG: <https://www.linkedin.com/groups/6716836>

Brief Background

For the 2018 year, the NI-SIG has engaged in a strategic planning process using the four IMIA goals provided at the end of 2017. In this effort, we focused out 2017 General Assembly meeting to re-examine our goals and objectives as well as to generate new ideas for creating new goals that correspond to: Advocacy, Collaboration, Membership and Academic & Professional Excellence. At the most recent General Assembly meeting, participants were able to view the current version of the strategic goals and identify specific actions to achieve the goals. A subcommittee (consisting of Dr. Joy Lee and Laura Marie Peltonen) is examining this latest draft and in the fall it will be sent to all society representatives for their vote.

The previous goals and objectives of the NI-SIG are represented below as we have not yet voted on the new version.

Previous Goals & Objectives

- Explore the scope of Nursing Informatics and its implications for health policy and information handling activities associated with evidence-based nursing practice, nursing management, nursing research, nursing education, standards and patient (or client) decision making and the various relationships with other health informatics entities.
- Identify priorities or gaps and make recommendations for future developments in nursing informatics.
- Support the development of nursing informatics in member countries and promote nursing informatics worldwide.
- Promote linkages and collaborative activities with national and international nursing and health informatics groups and nursing and health care organisations globally.
- Provide, promote and support informatics meetings, conferences, and electronic communication forums to enable opportunities for the sharing of ideas, developments and knowledge.
- Participate in IMIA working groups and special interest groups to present a nursing perspective.
- Develop recommendations, guidelines, tools and courses relating to nursing informatics.
- Encourage the publication and dissemination of research and development materials in the field of nursing informatics
- Support and work with patients, families, communities and societies to adopt and manage informatics approaches to healthcare.

Achievement - Events and projects conducted and publications completed

Our major achievement this year was The 14th International Congress on Nursing Informatics, NI2018, held in Guadalajara Mexico from June 6-8 2018. This inaugural “light” conference was sponsored by the International Medical Informatics Association’s Nursing Informatics Special Interest Group (IMIA-NISIG) and hosted by Mexican Medical Informatics Association (AMIM), the Mexican Ministry of Health, in particular the National Commission of Medical Arbitration, and Federation of Medical Informatics for Latin America and the Caribbean (IMIA LAC). The IMIA Nursing Informatics Special Interest Group conceptualized the idea of the “light” congress at the NI2014 meeting. The purpose of the “light” congress is to catalyze the development and growth of nursing informatics within the host society. The intent is to energize nursing to become more actively involved in nursing informatics and understand the value of informatics tools.

Our goal was to provide an informal and friendly environment so participants new to the discipline of nursing informatics can engage in conversations and interact with presenters. In

this spirit, we have numerous panels and poster presentations where the audience can ask questions and engage in dialogues.

The conference theme was *Information & Communication Technologies to Improve Quality and Safety at the Point of Care*. The program had six tracks: 1) Point of care solutions, models and devices; 2) Big Data Analytics and Decision support; 3) Meaningful use of electronic information systems; 4) Quality, safety and ethics; 5) Patient participation and citizen involvement and 6) Education, competences and capacity building.

The SPC received the following submissions: 37 papers, 13 student paper and posters, 87 posters, 8 panels and 2 workshop proposals. After final SPC review, we accepted 30 papers, 5 student papers, 4 student posters, over 60 posters, 8 panels and 2 workshops.

There were three keynote speakers.

The first, Sue Bakken, PhD, FACMI, FAAN, Columbia University spoke on *Improving Latino Health Through Nursing Informatics*.

The second keynote speaker, Heimar F Marin, RN, PhD, FACMI, The Alumni Professor at Federal University of São Paulo, Brazil, Editor in Chief, International Journal of Medical Informatics, Elsevier, and Senior Consultant, Hospital Sirio Libanês, São Paulo – Brazil, spoke on *Digital Health Communities and Patient Engagement*.

And the third, Marion Ball, EdD, FACMI, FAAN, Senior Advisor Healthcare Informatics Center for Computational Health IBM Research and Professor Emerita, Johns Hopkins University gave the closing address on *The Technology & Caring Interface: How far have we come?*

There were also two workshops that preceded the congress.

The first was, Information Visualization: A Systematic Method for Identifying data attributions pertinent to effective designs, was organized by Drs. Adriana Arcia and Samantha Stonbraker from Columbia University.

The second, TIGER: Technology Informatics Guiding Education Reform: The Future of Interprofessional Education was organized by Dr. Polun Chang, Professor, Institute of Biomedical Informatics, School of Medicine, National Yang-Ming University, both will provide valuable information and knowledge to understand how to visualize data and how to prepare future nurses to practice in an ever-changing digital health environment.

There were 130 participants from 35 countries and regions that attended the conference. As a part of the NI2018 Congress, the IMIA NI SIG had its General Assembly Meeting prior to the conference. The focus of the General Assembly Meeting was to flush out details for our strategic plan and to vote on the NI2020 bid. It is great pleasure to announce that the NI2020 conference will be held July 26-28, 2020 in Brisbane Australia. Nursing Informatics Australia Special Interest Group in collaboration with the Health Informatics Society of Australia will host NI2020. Stay turn for more information about this conference and the call for papers.

In addition, the IMIA NI SIG presented their Leadership Award on the first day of the conference to Dr. Virginia Saba. The Leadership Award was instituted in 2015 by the Executive Committee to recognize of NI Leadership in Nursing Practice, Nursing Education, and/or Nursing Research. The Leadership Award is granted to Pioneer who is considered a national and international leader. Dr. Virginia Saba is a recognized pioneer that has over the last 40 years initiated and cultivated the discipline of nursing informatics throughout the United States and across the globe.

Publications: ICT to Improve Quality and Safety at the Point of Care

Editors: Rotegård, A.K., Skiba, D.J., Barbosa, S., Davalos Alcázar, A.G. Book Series: Volume 250 of Studies in Health Technology and Informatics. The proceedings of the conference are now available at: <http://ebooks.iospress.nl/ISBN/978-1-61499-872-3>

Participation - Engagement and participation in IMIA and health informatics events and activities

Patrick Weber arranged a meeting of IMIA NI SIG with EFMI NI during the MIE conference in Gothenburg, Sweden.

Patrick Weber is IMIA Vice President for MEDINFO 2019.

Kaija Saranto is EFMI Chair for WP Education.

Dr. Kaija Saranto, Vice Chair for Working Groups has participated in the IMIA WG for HI for Patient Safety activities and contributing a paper for the Ni2016 Post conference publication (Chair: Dr. Elizabeth Borycki).

Dr. Saranto also participated in a benchmarking project with the IMIA VP for WGs Dr. Ying (Helen) Wu about the awarding system of WGs (the IMIA WG of the Year Award).

Outreach - Recruitment and engagement of new members and target communities, publicity and representation at major events and/or on social media.

There was some turnover in the society representatives from various countries.

Dr. Pamela Hussey from Ireland turned over her representation to two co-chairs: Hackie McKenna and Paula Kavanagh. We acknowledged Dr. Hussey numerous contributions to NI-SIG.

We also give a special acknowledgment of Vesna Prijatelj for all her contributions as the Slovenia Society representative. Her replacement is Boštjan Žvanut, Associate Professor, PhD.

We also have a brand new representative from Mexico: Sylvia Claudine Ramírez-Sánchez.

As we move towards other outreach initiatives, we started to highlight success stories from our members and attendees at our General Assembly meeting and conference.

Our first such story, speaks to how NI as a connector to building international research collaboration in nursing informatics (<http://imia-medinfo.org/wp/sig-ni-nursing-informatics/>). As noted in this story. “Ragnhild Hellesø and Paulina Sockolow first met in Taipei in 2014 at the 12th NI as presenters in the same paper presentation session. Dr. Hellesø is a Professor in Nursing Sciences at the Institute of Health and Sciences at the University of Oslo, Norway. She also has an appointment at the Centre for Care Research at Norwegian University of Science and Technology, Gjøvik, Norway. Paulina Sockolow is an Associate Professor of Informatics at the Drexel University College of Nursing and Health Professions and the College of Computing and Informatics in Philadelphia, PA, USA. When they met, they recognized they were doing research in same area (home care) and were interested in each other’s research.” At NI2018, they presented a panel sharing with all the collaborative work they have achieved as NI colleagues.

The NI SIG has both society representatives, working group members, observers and honorary members have been quite active in informatics related organizations and events.

Here are some of the highlights:

Dr. Elizabeth Borycki, Dr. Susan Matney, and Dr. Hyeoun-Ae Park are being inducted into the American College of Medical Informatics at the AMIA meeting 5 November 2017. This is a well-deserved honor and we are happy to celebrate their success.

The following nurses or former society representatives were inducted into the inaugural class of International Academy of Health Sciences Informatics (IAHSI).

Bakken, Suzanne - USA

Borycki, Elizabeth - Canada

Brennan, Patricia Flatley - USA

Carr, Robyn - New Zealand

Chang, Polun – China (Taiwan)

Hannah, Kathryn – Canada

Hovenga, Evelyn - Australia

Hullin, Carol - Chile

Marin, Heimar de Fatima - Brazil

Moen, Anne - Norway

Murray, Peter - UK

Park, Hyeoun-Ae - South Korea

Saranto, Kaija - Finland

Weber, Patrick - Switzerland

Westbrooke, Lucy - New Zealand

Wright, Graham - South Africa

Wu, Ying - China

Collaboration - Working with other IMIA WG/SIGs or external organizations or institutions

Throughout the year, the executive committee has been advocating informatics relationships with International Council of Nursing(ICN) and in particular work with the e-health & ICNP components. We have established a collaboration with HISA for the NI2020 conference and we continue to work with the TIGER International.