

Technology Informatics Guiding Education Reform (TIGER) The Future of Interprofessional Education Is Here!

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Abstract and Objective

This session will describe the TIGER Initiative journey, its evolution and accomplishments nationally and internationally. A powerful demonstration of the TIGER Virtual Learning Environment (VLE) will be highlighted along with case studies from around the world, with emphasis on global competencies and opportunities for engagement in all current TIGER activities and future plans.

Keywords: nursing education, nursing informatics, competencies

Workshop description

The TIGER (*Technology Informatics Guiding Education Reform*) Initiative was founded in 2004 to develop a shared vision, strategies, and specific actions for improving nursing practice, education, and the delivery of patient care using health information technology. In 2006, it formalized as a grassroots effort in the United States (US) and in 2012, expanded this vision globally. In 2014, TIGER transitioned from a standalone foundation into the Healthcare Information and Management Systems Society's (HIMSS) organizational structure. Today, TIGER is a stable, grassroots initiative focused on education reform, fostering community development and global workforce development and is represented by 25 countries worldwide. TIGER encompasses informatics competencies, tools, principles, theories and practices to be used by interdisciplinary providers and consumers that interweaves enabling technologies into seamless practice, education and research to improve outcomes, patient safety and reduce costs. This workshop will describe the TIGER journey, its evolution, and accomplishments both nationally and internationally. Highlighted will be success stories from TIGER pioneers/members and a demonstration of the TIGER VLE – an education platform for academic professionals, students, adult learners and clinical educators. This workshop will conclude by sharing opportunities for engagement in all current and future activities.

Proposed Objectives:

Introduction to Change

- Explore the evolution, past accomplishments, and future directions of the HIMSS TIGER Initiative.
- Identify individual and organizational opportunities for TIGER VLE engagement and integration of courses and resources into curriculum.

- Examine TIGER's global and US state-level initiatives as models for future expansion into new countries
- Introduce how the TIGER model was successfully used to efficiently and effectively build nationwide nursing informatics competency and to transit nurses into the leading clinical group to guide creative hospital information system implementations.
- Engage future "TIGERs" in educational, inter-professional, and virtual learning opportunities in collaboration with the HIMSS TIGER Initiative.

Workshop/Symposium Agenda and Speakers:

- Background and History and introduction to CHANGE.: Marion Ball (15 minutes)
 1. TIGER Initiative Purpose and Vision
 2. TIGER Today
- TIGER Foundation: Diane Skiba (10 minutes)
 1. Virtual Learning Environment
 2. Educational Competencies related to Content
 3. Inter-professional Collaboration and Progress (Nutrition, Physical Therapy, Wound Care, Palliative Care, International Programs)
- TIGER World Wide (20 minutes)
- Presentation of Global Case studies
 1. Taiwan TIGER: Ming-Chuan Kuo, Polun Chang
 2. Brazilian TIGER: Heimar Marin
- TIGER VLE Tutorial (10 minutes)
- TIGER Next Steps with Strategies and Engagement:
 1. Future directions for the TIGER Initiative's Taiwan experience
 2. Future VLE plans for international expansion.
 3. Process for engagement/contribution with TIGER VLE (possibly remote with TORI) tutorial
 4. How to become engaged with TIGER by volunteering to assist with the Initiative's evolution and expansion.

Attendees' participation: By sharing TIGER's Knowing the resources available, the potential participation we expect to stimulate participants to become involve with the initiative and discuss options for future steps. This workshop will engage leadership from Mexico and other countries to access future TIGER expansion and collaboration.

Educational Goals:

At the end of this workshop, attendees should:

- Have an understanding of the TIGER initiative, its development and success outcomes and stories.
- Appreciate the significant role that nurses play in health care delivery and thus, their role in applied eHealth at the patient level as well as the need for interprofessional engagement.
- Recognize the important need for focused and robust education and training of nurses in health informatics applications, critical factors for success and again, become the team leads for an interprofessional engagement.
- Know about the TIGER VLE and become aware of how it might contribute to health system environments.
- Contribute to workshop discussions focused on the evolution of the HIMSS TIGER Initiative as it continues to expand globally.
- Describe and understand the need for health informatics training for the healthcare provider, this also includes understanding of basic structure, organization and educational changes needed to transform the curriculum. Identify key stakeholders in the healthcare arena and their roles and responsibilities in supporting the healthcare IT framework in existence today within nursing schools and other health care disciplines/ training arenas.
- Explain the role of health IT in improved patient care, quality outcomes and efficiency while providing examples of technology enablement successes as described by the TIGER Initiative.

Expected attendees:

Those interested in learning and fine tuning an understanding about healthcare IT from a practical sense.

Policy makers, senior nurses, healthcare administrators, health informatics educationalists, and those considering the implementation of patient-facing and patient-based health informatics applications.

Level: Introductory and Intermediate

Workshop Leader:

Polun Chang, PhD, MIAHSI

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Workshop speakers:

Marion Ball, Ed D, FACMI, FAAN, FHIMSS, FCHIME

Senior Advisor, Healthcare and Life Sciences Institute IBM research and Affiliate Professor Division of Health Sciences Informatics, Johns Hopkins University, Baltimore, MD, USA

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Heimar Marin, RN, Ph.D, FACMI

Professor and Director, Graduate Program in Economics and Health Informatics, Universidade Federal de São Paulo, Brazil; Vice-President of the Brazilian Health Informatics Society.

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Nursing Supervisor, Department of Nursing, Cathay General Hospital; Leader of bench-mark model of hospital nursing information system in Taiwan, Taipei, Taiwan

Toria Shaw, MSW

Senior Manager, Clinical Informatics, HIMSS North America; TIGER Initiative Staff Liaison and TIGER Team Lead for the EU*US eHealth Work Project in Chicago, IL, USA.

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