One Profession, One Learning Curve: *AI in Nursing Education and Practice*

Nursing is standing at a pivotal moment, one that parallels the arrival of the internet in its scope and impact. Artificial intelligence (AI) is emerging simultaneously in nursing education and clinical practice, placing nurses in academia and at the bedside on a shared learning curve unlike any the profession has experienced before. This moment calls for collective learning, shared leadership, and a unified professional response as AI begins to influence how nurses teach, learn, reason, and care.

This session explores AI's transformative role across nursing education and practice through a bidirectional learning lens, highlighting how academic and clinical nurses are learning about AI at the same time, and learning from one another. From adaptive learning platforms, simulation technologies, and assessment tools in educational settings to clinical decision support, predictive analytics, documentation assistance, and workflow optimization at the bedside, AI is reshaping the full continuum of nursing preparation and practice. Understanding these parallel developments is essential to preparing nurses who can think critically, practice ethically, and lead confidently in AI-enabled environments.

The session emphasizes AI literacy as a professional imperative, not a technical add-on. Participants will be challenged to consider how nursing can preserve clinical judgment, compassion, and ethical accountability while embracing AI as a powerful partner in education and care delivery. By examining shared opportunities and responsibilities across academic and clinical roles, this keynote positions AI integration as a defining, collective experience for the nursing profession, one that demands collaboration, reflection, and leadership at every level.

Rather than approaching AI as something to be mastered sequentially, this session frames the present moment as a rare opportunity for nursing to evolve together, shaping how AI is taught, used, and governed in ways that reflect the profession's values and commitment to safe, equitable, and human-centered care.

Learning Objectives

At the conclusion of this session, participants will be able to:

1. Describe AI as a profession-wide transformation in nursing comparable to previous paradigm shifts such as the adoption of the internet.

2. Identify key AI applications currently influencing both nursing education and clinical practice.

3. Analyze the role of bidirectional learning in aligning academic preparation with clinical realities in an AI-enabled healthcare system.

4. Articulate strategies for leading ethical, collaborative AI integration across nursing education and practice.