

## CONTACT HOUR OFFERINGS FOR SINI:

- Wednesday, July 22, 2009 1.50 hours
  - Thursday, July 23, 2009 5.25 hours
  - Friday, July 24, 2009 5.50 hours
  - Saturday, July 25, 2009 2.75 hours
- Total contact hours: 15.0 contact hours**

The University of Maryland School of Nursing's Office of Professional Development and Continuing Education is accredited as a provider of continuing education by the American Nurses Credentialing Center's Commission on Accreditation.

## SPONSOR OR EXHIBIT

For information about sponsoring or exhibiting at this event, please contact Lyn Murphy at 410-706-5474 or [lmurphy@son.umaryland.edu](mailto:lmurphy@son.umaryland.edu).

## ATTEND VIA SINI WEBCAST

Attend SINI 2009 from your home or office! Keynote, plenary, and distinguished lectures, as well as a wide variety of concurrent sessions and paper presentations, will be available via webcast. You have the option of virtual attendance at SINI in real time or viewing archived portions via the Internet for up to four weeks following the conference. Webcast presentations are identified in this brochure and on the SINI 2009 Web site. Software requirements for viewing the webcast can also be found on the SINI Web site.

## OBJECTIVES

*Those who attend SINI 2009 will be able to:*

- Analyze the impact of health information technologies on communications and relationships between and among patients and care providers, family members, peer support groups, and clinicians.
- Describe how nurses interact with health information technologies and discuss the factors that influence work processes, performance, behaviors, and satisfaction.
- Analyze and synthesize data-based reports of the impact of health information technologies on patient outcomes, professional practice, and organizational processes.
- Describe how technologies and informatics are supporting the Components of Magnetism in health care organizations.
- Evaluate examples of consumers' use of informatics to promote and optimize their own health and discuss the risks and benefits.
- Describe emerging technologies and critique their probable utility for enhancing practice at the point of care for both clinicians and consumers.

## ACKNOWLEDGEMENTS

We would like to thank our SINI 2009 Planning Committee, without whom this event would not be possible. We would also like to extend our gratitude to MEDITECH and Sigma Theta Tau Pi Chapter for their sponsorship.

## PRECONFERENCE TUTORIALS

JULY 20-22, 2009

### Health Care Information Technology (HIT) Project Management

This is an intensive workshop designed to give participants the essential principles and tools for effective HIT project management. Informatics nurse specialists working on HIT projects for providers, consultants, suppliers, and academia will benefit.

#### **Instructors**

Judy Murphy, BSN, RN, FACMI, FHIMSS  
Patricia C. Dykes, DNSc, MA, RN

### Weekday Immersion in Nursing Informatics (WINI)

This course focuses on practice trends and issues facing the informatics nurse and the nursing profession and enables individuals to complete a personal assessment of their knowledge, skills, and abilities to prepare to sit for the ANCC Nursing Informatics Certification Exam.

#### **Instructors**

Carol Bickford, PhD, RN-BC  
Kathleen Smith, MScEd, RN-BC, FHIMSS

### Leading Innovative IT Implementations to Enhance Safety and Efficiency

This special course is designed to provide nurse clinicians, managers, and executives with the tools and knowledge needed to be active participants and leaders in all phases of an information system implementation.

#### **Instructors**

Marisa L. Wilson DNSc., MHSc, RN  
Denise O'Brien, MSN, APRN, BC, CPAN, CAPA, FAAN  
Lyn Stankiewicz Murphy, PhD, MBA, MS, RN  
Beth Taylor, RN  
Donna Maddox, RN



**UNIVERSITY OF MARYLAND**  
**SCHOOL OF NURSING**

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Sigma Theta Tau International  
Pi Chapter  
Honor Society of Nursing



SINI  
2009

University of Maryland School of Nursing • Baltimore, Maryland

## 19th Annual Summer Institute in Nursing Informatics

# Informatics at the Point of Care: A Barrier or a Bridge?

Wednesday, July 22 – Saturday, July 25, 2009

[nursing.umaryland.edu/sini](http://nursing.umaryland.edu/sini)

Preconference  
Tutorials  
July 20 – 22



## OVERVIEW

Is informatics at the point of care a barrier or a bridge to safe, evidence-based, personalized care? Research and stories from the field indicate that it may be either. SINI 2009 presents an opportunity to explore the benefits and challenges of informatics with leaders in the field, in an environment that promotes thought-provoking discussion and networking with colleagues.

## SESSIONS ARE DESIGNED TO MEET ALL LEVELS OF EXPERTISE:

- **Novice:** For those who have fewer than two years of informatics experience, but are comfortable in their parent domain (e.g., ICU nursing). Presentations at this level provide concise introductions to a variety of “hot” topics.
- **Intermediate:** For those who have two or more years of informatics experience and a solid informatics background. Participants will be able to apply informatics successfully in their clinical domain. Presentations are clinically based, but theory driven.
- **Expert:** For those who know the informatics and the clinical domains, and have a complete understanding of the interplay between them. These scholarly sessions with industry and educational leaders will take attendees to the next level of knowledge in their profession.
- **All Attendees:** Timely presentations that will benefit all participants, regardless of experience or depth of knowledge in the informatics field.

## PROGRAM SCHEDULE

### WEDNESDAY, JULY 22

- noon–2 p.m. **Registration and Check-in**
- 1–2 **Tips for a Successful SINI Presentation**  
Kathleen Charters and Eun-Shim Nahm
- 2:15–3 **Welcome and Introductions\***
- 3–4:30 **Keynote Address:** Informatics as a Bridge to Knowledge at the Bedside, James J. Cimino, MD\*
- 4:30–5:30 **Meet the Keynote Speaker / Walking Tour of Baltimore / Simulation Lab Tour / School of Nursing Museum Visit**
- 5:30–7 **Welcome Reception**

### THURSDAY, JULY 23

- 8–8:30 a.m. **Registration and Continental Breakfast**
- 8:30–9:30 **Distinguished Lecture:** Pathways to Translational Informatics for Nursing, Marcelline Harris, PhD, RN\*
- 9:30–10 **Break**

### CONFERENCE TRACKS

- Track A:** High Touch, High Tech: IT and Human Relationships
- Track B:** Usability, Ergonomics, Interfaces, and Nursing
- Track C:** “Show Me the Delta”: Impact on Patient Outcomes, Professional Practice, and Organizational Processes
- Track D:** Magnet: Informatics Support for the Journey
- Track E:** Consumer Health Informatics
- Track F:** Emerging Technologies for Health Information Systems

### 10–11 a.m. **Concurrent Session 1**

- 1A. The IDEA-Tel Experience: The Impact of Technology on Clinical Relationships** (*Expert*), Justin Starren\*
- 1B. The Role of the Informatics Nurse in Developing Highly Usable Bedside Systems** (*Novice*), Maria Hendrickson
- 1C. Bar Code Medication Administration (BCMA): Finding the Return on Investment** (*Intermediate*), Fern Fitzhenry
- 1D. Digital Documentation Deployment: What’s the Attraction?** (*Novice*), Gretchen Moyer
- 1E. Consumer Informatics: Current Application in the Hospital, Community, and Vendor Worlds** (*Expert*), Cheryl Fisher, Rosemary Kennedy, Eun-Shim Nahm
- 1F. What is RSS and What Does it Have to Do with Nursing?** (*Intermediate*), William F. Perry

11 a.m.–1 p.m. **Lunch** (on your own)  
Speaker / Planning Committee Luncheon

### 1–2 **Concurrent Session 2**

- 2A. Using Voice Technology at the Point of Care: Bridging the Gap for Nurses** (*Intermediate*), Debra Wolfe
- 2B. Integration of Monitor Data into the EMR** (*Intermediate*), Carol Thompson
- 2C. Opportunities at the Intersection of Information Technology and Patient Safety** (*All*), Peter Kilbridge
- 2D. Clinical Informatics: Building a Bridge Between Systems and Practice Innovation** (*All*), Mary K. Kennedy\*
- 2E. Technology and Aging: Informatics Applications to Support Aging in Place** (*Intermediate*), George Demiris
- 2F. The Impact of Genomics on Nursing Care** (*Expert*), Jim Turley



2:15–3:30 **Concurrent Session 3**

- 3A. Addressing the Unintended Consequences of Information Technology in Health Care** (*Expert*), Joan Ash\*
- 3B. Integration in a Pre-operative Setting: Overcoming Obstacles and Creating Opportunity** (*Intermediate*), David Li
- 3C. Show Me the Delta: The Impact of an Evidence-based Electronic Care Planning and Decision Support System on Professional Practice and Patient Outcomes** (*All*), Mary Hook
- 3D. Leverage Technology to Support Your Quest for Magnet Designation** (*Novice*), Jan Wilson
- 3E. Secure Messaging: Lessons Learned** (*Intermediate*), Kathleen Charters
- 3F. Is Nursing Ready for the Emerging New Technologies for Health Information?** (*Intermediate*), Paula M Procter

3:30–3:45 **Break**

3:45–4:45 **Concurrent Session 4**  
Peer-Reviewed Paper Presentations  
(See Web site for speakers and topics. Award winner will be webcast.)

5–8 **Exhibitor Evening / Networking Reception**

## FRIDAY, JULY 24

8:15–8:45 a.m. **Information Session on the Informatics Program at the University of Maryland School of Nursing**

8:30–9 **Registration and Continental Breakfast**

9–10:15 **Distinguished Lecture:** Personalizing Health Care: Partnering with Patients, Paul Tang, MD, MS \*

10:15–10:45 **Break**

10:45–11:45 **Concurrent Session 5**  
Peer-Reviewed Paper Presentations  
(See Web site for speakers and topics. Award winner will be webcast.)

noon–1 p.m. **Hosted Buffet Lunch**

1–2 **Poster Session**

2–3:15 **Concurrent Session 6**

- 6A. Delirium Screening at the Point of Care: Exploring Human Computer Interaction** (*Intermediate*), Beth Ann Swan
- 6B. Evaluation of Products for Usability in Dynamic, Critical, Mobile Health Care Environments** (*Intermediate*), Michelle Forren and Mark Glenney
- 6C. Decision Support for Quality Indicators** (*All*), Leanne Currie\*

**6D. Living Magnet: Transformational Leadership in Informatics** (*Intermediate*), Stephanie Poe

**6E. Electronic Medical Records Extracts for a Personal Health Record** (*Novice*), Sandra Wilson

**6F. Nursing Education in 3-D: Leveraging Virtual Worlds and Immersive Learning Simulations** (*Novice*), John Miller

3:15–3:30 **Break**

3:30–4:30 **Concurrent Session 7**

**7A. Building Safety into CPOE Systems Using Human Factors Engineering (HFE) Principles** (*Intermediate*), Patty Sengstack

**7B. Observational Research in the Clinical Setting** (*Novice*), Eric Rivedal and Marisa Wilson

**7C. Clinical Decision Support: A Practical Guide to Developing Your Program to Improve Outcomes** (*Expert*), Dean Sittig\*

**7D. The Impact of Wireless Technology in a Magnet Organization** (*Intermediate*), Kimmith Jones

**7E. Measuring Success: Performance Metrics in a Web-based World** (*All*), Lawrence Charters

**7F. The Use of Videos and Pods in Raising Nursing Students' Skills, Competencies, and Self-Confidence Levels** (*Intermediate*), Margaret Hansen

4:45–6:15 **Nursing Informatics Alumni Reception**

The University of Maryland School of Nursing (UMSON) Alumni Association cordially invites Nursing Informatics alumni, as well as current and former UMSON Nursing Informatics faculty members, to attend a complementary reception.

## SATURDAY, JULY 25

8–9 a.m. **Registration and Continental Breakfast**

9–10 **Sigma Theta Tau Pi Chapter Distinguished Lecture:** Optimizing the Usability of Clinical Systems: Past Work and Future Directions, Nancy Stagers PhD, RN, FAAN\*

10–10:15 **Break**

10:15–11 **Panel Discussion:** Creating Usable Systems for Nurses: Recommendations From the TIGER Usability Collaborative, Greg Alexander, PhD, MHA, RN; Cheryl Parker, PhD, RN; Nancy Stagers, PhD, RN, FAAN; and Denise Tyler, MSN, MBA, RN-BC\*

11 a.m.–noon **Endnote Address:** Reducing Health Disparities through Informatics, Suzanne Bakken, DNSc, RN, FAAN, FACHI\*

noon–12:30 p.m. **Concluding Remarks**

\*Webcast Sessions

## FEATURED SPEAKERS

### **Keynote: James J. Cimino, MD**

Chief, Laboratory for Informatics Development  
National Institutes of Health  
Clinical Center Senior Scientist  
Lister Hill National Center for Biomedical  
Communication  
National Library of Medicine  
Adjunct Professor of Biomedical Informatics  
Columbia College of Physicians and Surgeon

### **Endnote: Suzanne Bakken, DNSc, RN**

Alumni Professor of Nursing and  
Professor of Medical Informatics  
Columbia University

### **Distinguished Lecture:**

#### **Marcelline Harris, PhD, RN**

Assistant Professor of Medical Informatics  
Mayo Graduate School  
University of Minnesota

### **Distinguished Lecture:**

#### **Nancy Staggars, PhD, RN, FAAN**

Professor and Director for Nursing Informatics  
University of Utah

### **Distinguished Lecture:**

#### **Paul C. Tang, MD, MS**

Internist and Vice President  
Chief Medical Information Officer  
Palo Alto Medical Foundation  
Consulting Associate Professor  
Stanford University School of Medicine

### **Saturday Panel:**

#### **Gregory L. Alexander, PhD, MHA, RN**

Assistant Professor, Sinclair School of Nursing,  
University of Missouri

#### **Cheryl Parker, PhD, RN**

Senior Clinical Informatics Specialist  
Motion Computing

#### **Nancy Staggars, PhD, RN, FAAN**

Professor and Director for Nursing  
Informatics, University of Utah

#### **Denise Tyler, MSN, MBA, RN-BC**

Clinical Specialist  
Kaweah Delta Health Care District

#### **Leanne Currie, DNSc, RN (6C)**

Assistant Professor of Nursing  
Columbia University School of Nursing

#### **George Demiris, PhD (2E)**

Associate Professor, Behavioral Nursing and  
Health Systems, School of Nursing;  
Medical Education and Biomedical  
Informatics, School of Medicine, University  
of Washington

#### **Cheryl Fisher, MSN, RN (1E)**

Informatics/E-Learning Manager, Nursing  
Department, National Institutes of Health

#### **Fern Fitzhenry, PhD, MM, RN (1C)**

Information Services Consultant  
Vanderbilt University Medical Center

#### **Michelle Forren, MPsy, CUA (6B)**

User Interface Design Engineer, McKesson

#### **Mark Glenny, RN (6B)**

User Interface Design Engineers, McKesson

#### **Margaret Hansen, EdD, MSA, RN (7F)**

Associate Professor, School of Nursing,  
University of San Francisco

#### **Maria Hendrickson, MSN, MSCS, RN-BC (1B)**

Software Architect, Philips Medical Systems

#### **Mary L. Hook, PhD, RN, PHCNS-BC (3C)**

Research Scientist, System Nursing Research  
Department, Aurora Health Care

#### **Kimmith Jones, MS, RN, CCNS (7D)**

Advance Practice Nurse, Critical Care  
and Emergency Services, Sinai Hospital of  
Baltimore

#### **Mary K. Kennedy, MS, RN (2D)**

Dir., Clinical Informatics, The Miriam Hospital

#### **Rosemary Kennedy, MBA, RN (1E)**

Chief Nursing Informatics Officer, Siemens  
Medical Solutions

#### **Peter Kilbridge, MD (2C)**

Medical Director, IT and Clinical Effectiveness,  
St. Louis Children's Hospital

#### **David Li (3B)**

Manager, Clinical Information Systems  
Johns Hopkins Hospital

#### **John Miller, MSN, RN (6F)**

Nursing Facility, Tacoma Community College

#### **Gretchen Moyer, DNSc, RN (1D)**

Information Systems Project Manager  
Main Line Health

#### **Eun-Shim Nahm, PhD, RN (1E)**

Associate Professor  
University of Maryland School of Nursing

#### **William F. Perry, MA, RN (1F)**

Clinical Information Specialist  
Kettering Health Network

#### **Stephanie Poe, MScN, RN (6D)**

Assistant Director of Nursing  
Johns Hopkins Hospital

#### **Paula Proctor, MSc, RN, FBCS, CITP (3F)**

Reader in Informatics and Telematics in  
Nursing, School of Nursing and Midwifery  
University of Sheffield

#### **Eric Rivedal, RN (7B)**

Nursing Workflow Manager, Horizon  
Clinicals, McKesson Provider Technologies

#### **Dean Sittig, PhD (7C)**

Director of Applied Research in Medical  
Informatics, Northwest Permanente

#### **Beth Ann Swan, PhD, CRNP (6A)**

Adjunct Assistant Professor and Associate  
Director of the Office of International  
Programs, School of Nursing, University of  
Pennsylvania

#### **Patty Sengstack, MS, RN, CCRN (7A)**

Deputy Chief Information Officer,  
Department of Clinical Research Informatics,  
National Institutes of Health

#### **Justin Starren, MD, PhD (1A)**

Co-Principal Investigator  
Department of BioMedical Informatics  
Marshfield Clinic Research Foundation

#### **Carol Thompson, MS, RN (2B)**

Director of Clinical Systems  
Johns Hopkins Bayview Medical Systems

#### **Jim Turley, PhD (2F)**

Associate Professor, Department of Health  
Informatics, University of Texas Health Science  
Center at Houston

#### **Jan Wilson, MS, RN, CPHIMS (3D)**

Manager, Nursing Information Services,  
Lehigh Valley Health Network

#### **Marisa Wilson, DNSc, RN (7B)**

Assistant Professor  
University of Maryland School of Nursing

#### **Sandra Wilson, MSN, RN (6E)**

Clinical Information Systems Specialist, OED, MHV

#### **Debra M. Wolfe, PhD, RN (2A)**

Associate Professor, Department of Nursing,  
Slippery Rock University

## CONCURRENT SESSION SPEAKERS

### **Joan Ash, PhD, MBA, MLS, MS (3A)**

Associate Professor, Department of Medical  
Informatics and Clinical Epidemiology, School  
of Medicine, Oregon Health and Science  
University School of Medicine

### **Kathleen Charters, PhD, RN, CPHIMS, CNE (3E)**

Clinical Information System Specialist  
Creative Computing Solutions

### **Lawrence Charters, MA (7E)**

Senior Information Technology Specialist  
National Ocean Service, National Oceanic  
and Atmospheric Administration

## HOTEL ACCOMMODATIONS

**Conference Hotel:** Baltimore Marriott Inner Harbor  
110 South Eutaw St., Baltimore, MD 21201  
(2.5 blocks from the University of Maryland School of Nursing)

**Group Rate:** Single/Double Room - \$184 plus tax  
Telephone reservations: 1-800-228-9290 or 410-962-0202

SINI Code: SINSINA

Cut-off Date: June 28, 2009

Online reservations can be made at:

<http://cwp.marriott.com/bwiih/nursinginformatics/>