Realizing the Benefits: Health Care and Information Technology

July 22-24, 2015
Baltimore, MD
## CONTENTS

1. Welcome to SINI 2015
2. SINI 25th Anniversary Retrospective
4. Conference Overview and Objectives
5. Contact Hours for Nurses
   Cyber Café
   Accessing the Wireless Network
   Accessing Presentations Online
   SINI 2015 Photo Challenge
6. Schedule-at-a-Glance

## SCHEDULE OF EVENTS

8. Wednesday, July 22
11. Thursday, July 23
14. Friday, July 24

16. Poster Sessions
18. SINI 25th Anniversary Honorees
19. Planning Committee

20-21. Sponsors and Exhibitors
Welcome to SINI 2015, our 25th anniversary!

As you browse the SINI 2015 program, you’ll discover new features, as well as the traditional core of this highly-ranked conference. We continue to offer peer-reviewed presentations, distinguished lecturers, and deep dives into interoperability and data analytics. This year we added:

NEW EDUCATIONAL PROGRAMS:

• A preconference workshop for nurse educators challenged to infuse informatics into clinical and nursing science courses
• A preconference workshop on project management
• A special track for informatics novices to learn about the scope of the field and career opportunities

EXPANDED SOCIAL AND NETWORKING EVENTS:

• A welcome luncheon with roundtable discussions on current and emerging topics
• A 25th anniversary reception
• A buffet luncheon during the exhibitor event
• An optional dinner cruise in Baltimore’s Inner Harbor

SINI offers the latest in nursing informatics scholarship and collegiality. We look forward to greeting you.

Your SINI 2015 co-chairs,
Mary Etta Mills, PhD, RN, FAAN, CNE-BC
Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE

http://nursing.umaryland.edu/sini
Celebrating 25 Years of Excellence in Nursing Informatics

25th Summer Institute in Nursing Informatics

As the Summer Institute in Nursing Informatics (SINI) celebrates 25 years of excellence, we offer a program that reflects the significant development within our field. The theme, “Realizing the Benefits: Health Care and Information Technology,” highlights the many ways in which informatics supports the discovery and use of knowledge and tools to improve health care processes and personal care practices, resulting in better outcomes and control of costs.

Some of these improvements are described in plenary sessions. Distinguished leaders will address health informatics support for the underserved, the transformation of health care through data analytics, health IT in the age of precision medicine, interprofessional collaboration in informatics, and the evolution of nursing informatics over the past 25 years.

In addition, concurrent sessions in four tracks offer SINI participants the opportunity to choose content to meet their learning needs.

• **Track A, Informatics Essentials**, gives nursing informatics novices an overview of the major components of the field. Offered by expert faculty members from the University of Maryland School of Nursing’s #1 ranked Nursing Informatics master’s specialty, these sessions provide a solid foundation for further learning.

• **Track B, Implementing and Evaluating Informatics Innovations to Improve Care and Outcomes**, showcases peer-reviewed reports of advances in nursing informatics practice and research. These sessions will be webcast so SINI participants in distant locations can gain an overview of the latest developments in the field.

• **Track C, Actualizing Interoperability**, offers a deep dive into the development and application of standards to permit the exchange and re-use of clinical and personal health data across settings and cultures to improve the health of individuals, communities, and populations.

• **Track D, Challenges in Data Analytics**, confronts the complexities of using data from clinical and other sources to develop knowledge that can be applied to improve care processes and outcomes, and control costs. After a review of essential concepts and principles, participants will work on case studies in small groups, to apply and enrich their learning.

**Poster Sessions** will provide further opportunities to consider peer-reviewed reports and discuss them with the authors. These sessions will take place from 8:30-9:15 a.m. Wednesday, July 22, and from 3:30-5 p.m. Thursday, July 23.

**To promote networking among participants**, a Welcome Luncheon with round-table discussions on hot topics is scheduled from 12:45-1:45 p.m. Wednesday, July 22. In addition, a Buffet Luncheon during the Exhibitor Event from 12:30-2 p.m. Thursday, July 23, gives participants the opportunity to continue conversations with their colleagues and explore useful products and services.

Other networking opportunities include the 25th Anniversary Reception on Wednesday, July 22, when those who have sustained SINI over the past 25 years will be recognized, and an optional Dinner Cruise in Baltimore’s Inner Harbor on Thursday, July 23.

**OBJECTIVES**

At the conclusion of SINI, participants will be able to:

1. Identify and describe past, current, and emerging innovations in health informatics and their impact on health care
2. Identify and describe the fundamental components of nursing informatics practice
3. Discuss examples of innovations from nursing informatics practice and research that improve care and outcomes and control costs
4. Explain the role of standards development and application in fostering data exchange and re-use to improve the health of individuals, communities, and populations, and discuss ongoing challenges
5. Identify and describe fundamental concepts and principles in data analytics and give examples of their application to improve care and outcomes and to control costs
Welcome to the University of Maryland School of Nursing and SINI 2015!

CONTINUING EDUCATION FOR NURSES

Total: 15.25 contact hours

Nurses may receive up to 15.25 contact hours for successfully completing SINI 2015 Continuing Nursing Education (CNE) activities. Successful completion requires participants to attend designated CNE activity sessions, complete and submit the attendance verification form (provided in program packet) for those CNE sessions attended, and complete the online SINI Program Evaluation.

- Wednesday, July 22 - 6.0 CNE
- Thursday, July 23 - 5.75 CNE
- Friday, July 24 - 3.5 CNE

Within 2-4 weeks of submitting your completed documents, the University of Maryland School of Nursing will email you a CNE certificate. All documents and requests for CNE certificates must be received within 90 days of this activity.

The University of Maryland School of Nursing is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

CONFLICT OF INTEREST DISCLOSURES

The University of Maryland School of Nursing requires that all individuals involved in the planning and presentation of CNE activities disclose all relevant financial relationships with any commercial interest and that all conflicts of interest be resolved prior to the start of the educational activity. No conflict of interest was discovered to exist with any author, committee member, faculty member, speaker, sponsor, or staff member involved in this program.

CYBER CAFÉ (Room 245)

Hours of Operation:
Wednesday, July 22 - 8 a.m.-7:30 p.m.
Thursday, July 23 - 8 a.m.-7:30 p.m.
Friday, July 24 - 8 a.m.-4:30 p.m.

ACCESSING THE WIRELESS NETWORK

The University of Maryland School of Nursing is equipped with a wireless network, which is accessible from anywhere in the building using your laptop or mobile device. For non-University personnel, please use the following user names and passwords, which are case sensitive:

Within School of Nursing:
Network Name: UM Conf
User Name: sonconnect
Password: Nur$sing

Within SMCCC:
Network Name: UM Conf
User Name: SMCConf
Password: SMCGuest

ACCESSING PRESENTATIONS ONLINE

Log on to the 2015 SINI website: http://nursing.umaryland.edu/sini/presentations using the following case-sensitive login information:
User Name: sini
Password: informatics

For presentations not available on the conference website, consult the speaker’s contact information provided at the time of presentation and request access to the presentation materials. The website will remain active until August 22, 2015.

LIVE TWEETING & SOCIAL SHARING

Help us spread the word about the excellent information being shared at SINI. We encourage live tweeting, social sharing, and photo blogging throughout the conference. Please tag your posts with #SINI2015.

#SINI2015 PHOTO CHALLENGE

SINI is your chance to network with leaders in the field of nursing informatics. Tweet a photo with any of our keynote speakers and #SINI2015 to be entered in a contest to win a complimentary registration or pre-conference workshop for SINI 2016!

VOLUNTEERS

SINI conference planners are grateful for our volunteers, who can be identified by their white shirts and the VOLUNTEER ribbon on their name badges. They are here to help and will be glad to answer questions about SINI or the School of Nursing building.

Please visit the registration desk for any questions.
### Wednesday • July 22, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30-8:30 a.m.</td>
<td>Poster set-up in UMSON lobby</td>
<td>UMSON Lobby</td>
</tr>
<tr>
<td>8-9:30</td>
<td>Registration and Continental Breakfast</td>
<td>UMSON Lobby</td>
</tr>
<tr>
<td>8:30-9</td>
<td>Information Session about UMSON's master's specialty in Nursing Informatics</td>
<td>Room 150</td>
</tr>
<tr>
<td>8:30-9:15</td>
<td>Poster Session I</td>
<td>UMSON Lobby</td>
</tr>
<tr>
<td>8:30-9:15</td>
<td>How to Prepare a Professional Presentation</td>
<td>Room 140</td>
</tr>
<tr>
<td>8:30-9:15</td>
<td>Tours of UMSON Simulation Laboratories</td>
<td>UMSON 2nd Floor Lobby</td>
</tr>
<tr>
<td>9:30-10</td>
<td>Welcome and Opening Remarks <strong>W</strong> Presentation of Outstanding Abstract Awards <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td>10-11:15</td>
<td>Keynote Address: Informatics Support for the Underserved <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td>11:30 a.m.-12:30 p.m.</td>
<td><strong>Concurrent Session 1</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>1A</strong> Introduction to Clinical Informatics</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td><strong>1B.1</strong> Evaluating Usability and User Satisfaction of Secure Messaging for Pediatric Providers <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td><strong>1B.2</strong> What in the World is Maximilistine? Sociotechnical Analysis of Medication Tools That Increase or Decrease the Patient-Clinician Gap <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td><strong>1C</strong> Consolidated Clinical Document Architecture (CCDA)</td>
<td>Room 304</td>
</tr>
<tr>
<td></td>
<td><strong>1D</strong> Key Concepts and Relationships in Data Analytics</td>
<td>Room W208</td>
</tr>
<tr>
<td>12:45-1:45</td>
<td>Luncheon with Roundtable Discussions</td>
<td>SMCCC Ballrooms A &amp; B</td>
</tr>
<tr>
<td>2-3</td>
<td><strong>Concurrent Session 2</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>2A</strong> Clinical Informatics: Practical Tools and Tips You Can Use in Your Practice</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td><strong>2B.1</strong> eCorps: A Few Good Men And Women - An Alternative Approach To CPOE ‘Go Live’ Support <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td><strong>2B.2</strong> Interdisciplinary Care Planning - Lessons Learned on Infrastructure, Culture and Practice <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td><strong>2C</strong> SNOMED CT and Nursing Assessments</td>
<td>Room 304</td>
</tr>
<tr>
<td></td>
<td><strong>2D</strong> Presentation and Discussion of Case Study 1</td>
<td>Room W208</td>
</tr>
<tr>
<td>3:15-4:15</td>
<td><strong>Concurrent Session 3</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>3A</strong> The Usability Imperative in Health IT</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td><strong>3B.1</strong> The Development of an Electronic Bedside Shift Report Tool <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td><strong>3B.2</strong> Improving Goal Reconciliation in the Electronic Health Record <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td><strong>3C</strong> Modeling Nursing Flowsheet Data for Quality Improvement and Research</td>
<td>Room 304</td>
</tr>
<tr>
<td></td>
<td><strong>3D</strong> Presentation and Discussion of Case Study 2</td>
<td>Room W208</td>
</tr>
<tr>
<td>4:30-5:30</td>
<td>Distinguished Lecture: 25 Years of SINI <strong>W</strong></td>
<td>Room 130</td>
</tr>
<tr>
<td>5:45-7:30</td>
<td>25th Anniversary Reception at Westminster Hall (See page 11 for more information.)</td>
<td>Westminster Hall</td>
</tr>
</tbody>
</table>
### Thursday • July 23, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:30 a.m.</td>
<td>Registration and Continental Breakfast</td>
<td>UMSON Lobby</td>
</tr>
<tr>
<td>9:00-11:30</td>
<td>Sponsor/Exhibit Check-in and Setup</td>
<td>SMCCC Ballrooms</td>
</tr>
<tr>
<td>8:30-9:45</td>
<td>Distinguished Lecture: Watson and How Big Data Are Changing the Future of Healthcare</td>
<td>Room 130</td>
</tr>
<tr>
<td>10:11-11:15</td>
<td>Concurrent Session 4</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>4A Implementation: Best Practices for the Never Ending Journey – Part 1</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>4B.1 Mobile Technology Decision Support for Reporting of Critical Condition Changes by Lung Transplant Recipients during the First Year Post-Transplantation</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>4B.2 The Patient and Professional Implications for Hospital Professional Use of Smartphones to Improve Patient Care</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>4C Population Health and Interoperability</td>
<td>Room 304</td>
</tr>
<tr>
<td></td>
<td>4D Small Groups Workshop on Case Study 3</td>
<td>Room W208</td>
</tr>
<tr>
<td>11:15 a.m.-12:15 p.m.</td>
<td>Concurrent Session 5</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>5A Implementation: Best Practices for the Never Ending Journey – Part 2</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>5B.1 Clinical Decision Support for Fall Risk Assessment and Plan of Care (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>5B.2 The Relationship Between Nursing Documentation in EHR and the Incidence of Pressure Ulcers in the Intensive Care Units (ICUs) (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>5C Mobile Continuous Monitoring Interoperability</td>
<td>Room 304</td>
</tr>
<tr>
<td></td>
<td>5D Continuation of Small Groups Workshop on Case Study 3</td>
<td>Room W208</td>
</tr>
<tr>
<td>12:30-2</td>
<td>Buffet Luncheon and Exhibitor Event</td>
<td>SMCCC Ballrooms A &amp; B</td>
</tr>
<tr>
<td>2:15-3:15</td>
<td>Concurrent Session 6</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>6A How About Data Analytics: Harnessing the Power of Data</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>6B.1 Mapping of Standardized Terminologies to Data Sensitive Categories (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>6B.2 Selection of a Clinical Business Intelligence Solution-Validation with Clinical Use Cases Provides Early Clinical Insights (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>6C I'm a Clinician, Why Do I Care about Standards and Interoperability?</td>
<td>Room 304</td>
</tr>
<tr>
<td></td>
<td>6D Reporting from Small Groups</td>
<td>Room W208</td>
</tr>
<tr>
<td>3:30-5</td>
<td>Poster Session II</td>
<td>UMSON Lobby</td>
</tr>
<tr>
<td>3:30-5</td>
<td>Living History Museum Open</td>
<td>UMSON 2nd Floor Lobby</td>
</tr>
<tr>
<td>5:30-9</td>
<td>Optional Dinner Cruise on the Spirit of Baltimore (See page 13 for more information.)</td>
<td>UMSON Courtyard</td>
</tr>
</tbody>
</table>

### Friday • July 24, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:30 a.m.</td>
<td>Registration and Continental Breakfast</td>
<td>UMSON Lobby</td>
</tr>
<tr>
<td>8:30-9:45</td>
<td>Commander Lura Jane Emery Distinguished Lecture: Enhancing Practice in Informatics Through Interprofessional Collaboration (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td>10:11-11:15</td>
<td>Concurrent Session 7</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>7A Becoming a Competent Nursing Informaticist and Beyond!</td>
<td>Room 140</td>
</tr>
<tr>
<td></td>
<td>7B.1 Developing a Predictive Model of Suicidal Admission at Veterans Affairs Hospitals (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>7B.2 Utilizing A Mobile Care Coordination Platform to Improve Transitions of Care (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td></td>
<td>7C US/UK Views on Patient-Centered Care Interoperability</td>
<td>Room 304</td>
</tr>
<tr>
<td></td>
<td>7D Wrap-up: Lessons Learned, Take-aways to Apply in Work Settings, Suggestions for SINI 2016</td>
<td>Room W208</td>
</tr>
<tr>
<td>11:15 a.m.-12:30 p.m.</td>
<td>Endnote Address: Health IT in the Age of Precision Medicine: What's Next? (W)</td>
<td>Room 130</td>
</tr>
<tr>
<td>12:30-1</td>
<td>Closing Remarks and Announcement of People's Choice Award (W)</td>
<td>Room 130</td>
</tr>
</tbody>
</table>
Schedule of Events - Wednesday

This Schedule-at-a Glance is color-coded to distinguish the following tracks:

- **Track A**: Informatics Essentials
- **Track B**: Implementing and Evaluating Informatics Innovations to Improve Care and Outcomes
- **Track C**: Actualizing Interoperability
- **Track D**: Challenges in Data Analytics

Tracks open to participants with any level of expertise:

Think Tanks, intended for experts in nursing informatics:

- **Track C**: Actualizing Interoperability
- **Track D**: Challenges in Data Analytics

Wednesday • July 22, 2015

7:30-8:30 a.m.
Poster Set-up
UMSON Lobby

8-9:30
Registration and Continental Breakfast
UMSON Lobby

8:30-9
Information Session about UMSON’s master’s specialty in Nursing Informatics
Room 150

8:30-9:15
How to Prepare a Professional Presentation
Room 140

8:30-9:15
Tours of UMSON Simulation Laboratories
Living History Museum Open
UMSON 2nd Floor Lobby

9:30-10
Welcome and Opening Remarks
Room 130

Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

Mary Etta Mills, ScD, RN, NEA-BC, FAAN
Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

Presentation of Outstanding Abstract Awards

10-11:15

**KEYNOTE ADDRESS**

Informatics Support for the Underserved (1.25 CNE)
Room 130

Suzanne Bakken, PhD, RN, FAAN, FACMI
Alumni Professor of Nursing
Professor of Biomedical Informatics
Columbia University

Dr. Suzanne Bakken is alumni professor of the School of Nursing and professor of Biomedical Informatics at Columbia University, director of the Center for Evidence-based Practice in the Underserved, and directs the Reducing Health Disparities Through Informatics (RHeaDi) pre- and post-doctoral training program. She served as Principal Investigator of the AHRQ-funded Washington Heights Inwood Informatics Infrastructure for Comparative Effectiveness Research (WICER) and leads its follow-on study, WICER 4 U. Dr. Bakken published over 200 peer-reviewed papers; received the Friends of the National Institute of Nursing Research’s Pathfinder Award; is president of the American College of Medical Informatics; a Fellow of the New York Academy of Medicine, American Academy of Nursing, and American College of Medical Informatics; and a member of the Institute of Medicine and its Roundtable on Health Literacy.
11:15-11:20
Welcome
Room 130
Jane M. Kirschling, PhD, RN, FAAN
Dean and Professor
University of Maryland School of Nursing

11:30 a.m.–12:30 p.m.
CONCURRENT SESSION 1 (1.0 CNE)

1A Room 140
Introduction to Clinical Informatics
Eun-Shim Nahm, PhD, RN, FAAN
Associate Professor
University of Maryland School of Nursing

1B.1 Room 130
SINI 2015 Podium Sharon Coleman Memorial Award Winner

Evaluating Usability and User Satisfaction of Secure Messaging for Pediatric Providers
Katherine Taylor Pearson, RN-BC, CPHIMS
Regional CIO
U.S. Army

Miko Watkins, RN-BC, MSN
MEDCOM CNIO
U.S. Army

1B.2 Room 130
What in the World is Maximilistine? Sociotechnical Analysis of Medication Tools That Increase or Decrease the Patient-Clinician Gap
Robin Mickelson, MS, RN
Doctoral Candidate
Vanderbilt University School of Nursing

Richard Holden, PhD
Assistant Professor
Indiana University

Matt Willis, MA M.Phil
Syracuse University

1C Room 304
Consolidated Clinical Document Architecture (CCDA)
Gay Dolin, MS, RN
Clinical Integration Specialist - Meaningful Use
Intelligent Medical Objects, Inc.

1D Room W208
Key Concepts and Relationships in Data Analytics
Ann Tinker, MS, RN
Vice President-Executive Engagement, Healthcare Quality
Catalyst, Inc.
Intermountain Health Care

Linda Lockwood, MBA, RN, PCMH, CCE
Advisory Services Solution Director
CTG Healthcare Solutions

Melinda Y. Costin, CHCIO, FHIMSS, CPHIMS
Vice President and CIO
JPS Health Network
Moderator: Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

12:45–1:45
Luncheon with Roundtable Discussions
SMCCC Ballrooms A & B

2-3
CONCURRENT SESSION 2 (1.0 CNE)

2A Room 140
Clinical Informatics: Practical Tools and Tips You Can Use in Your Practice
Patricia Sengstack, DNP, RN-BC, CPHIMS
Chief Nursing Informatics Officer
Bon Secours Health System, Inc.
CONCURRENT SESSION 2 (continued)

2B.1 Room 130

**SINI 2015 Podium Nursing Informatics Practice Award Winner**

**eCorps: A Few Good Men And Women – An Alternative Approach To CPOE ‘Go Live’ Support**

Marina Douglas, MS, RN-BC  
Consultant  
Beacon Healthcare Consulting

Glenn Heaney, RN  
Eisenhower Medical Center  
Calvert Memorial Hospital

2B.2 Room 130

**Interdisciplinary Care Planning – Lessons Learned on Infrastructure, Culture, and Practice**

Courtney Omary, MSN, RN  
Clinical Content Manager, IPOC  
MedStar Health

Carol D.S. Gambrill, MS, RN  
Director, Clinical Informatics  
MedStar Union Memorial Hospital

2C Room 304

**SNOMED CT and Nursing Assessments**

Susan Matney, MSN, RN, FAAN  
Medical Informaticist  
3M Health Information Systems, Inc.

3:15-4:15

CONCURRENT SESSION 3 (1.0 CNE)

3A Room 140

**The Usability Imperative in Health IT**

Nancy Staggers, PhD, RN, FAAN  
Professor, Informatics, Biomedical Informatics Research, Adjunct Professor, University of Utah

3B.1 Room 130

**The Development of an Electronic Bedside Shift Report Tool**

Erica Axilrod, BSN, RN  
Registered Nurse IV  
MedStar Franklin Square Medical Center

Michelle Hobbs, RN, OCN, ABOC  
MedStar Franklin Square Medical Center

Carol Esche, DNP, MA, RN, NE-BC  
MedStar Franklin Square Medical Center

Joan Warren, PhD, RN-BC, NEA-BC  
MedStar Franklin Square Medical Center

3B.2 Room 130

**Improving Goal Reconciliation in the Electronic Health Record**

Barb Van De Castle, DNP, ACNS, OCN, RN-BC  
Nurse Educator  
The Johns Hopkins Hospital
Thursday • July 23, 2015

8-8:30 a.m.
Registration and Continental Breakfast
UMSON Lobby

8:30-9:45
Distinguished Lecture: Watson and How Big Data Are Changing the Future of Healthcare
(1.25 CNE)
Eliot Siegel, MD, FACP, FSIM
Professor and Vice Chair, Research Informatics
University of Maryland School of Medicine

Room 130

9-11:30
Sponsor/Exhibit Check-in and Setup
SMCCC Ballrooms A & B

10-11
CONCURRENT SESSION 4 (1.0 CNE)

4A Room 140
Implementation: Best Practices for the Never Ending Journey – Part 1
Ruth Schleyer, MSN, RN-BC
Clinical Director, Informatics Academic
Providence Health Services
Lisa Bove, DNP, RN-BC
Senior Manager
Accenture

4:30-5:30
Distinguished Lecture: 25 Years of SINI
(1.0 CNE)
Room 130

Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

Mary Etta Mills, ScD, RN, NEA-BC, FAAN
Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

5:45-7:30
25th Anniversary Reception at Westminster Hall
With tours of the historic building, including the catacombs and grave of Edgar Allen Poe.

Westminster Hall
515 W. Fayette Street, Baltimore, MD 21201
East on W. Lombard Street toward S. Greene Street
Turn left onto S. Greene Street
Turn right onto W. Fayette Street
CONCURRENT SESSION 4 (continued)

**4B.1 Room 130**

Mobile Technology Decision Support for Reporting of Critical Condition Changes by Lung Transplant Recipients During the First Year Post-Transplantation

Yun Jiang MS, RN  
Student  
University of Pittsburgh School of Nursing

Susan Sereika, PhD  
Professor, Director, Center for Research and Evaluation  
Health & Community Systems  
University of Pittsburgh School of Nursing

Annette DeVito Dabbs, PhD, RN, FAAN  
Professor, Department Chair  
Acute & Tertiary Care  
University of Pittsburgh School of Nursing

Steven Handler, MD, PhD, CMD  
Assistant Professor, Department of Biomedical Informatics  
University of Pittsburgh School of Medicine

Elizabeth Schlenk, PhD, RN  
Associate Professor  
Health & Community Systems  
University of Pittsburgh School of Nursing

**4B.2 Room 130**

The Patient and Professional Implications for Hospital Professional Use of Smartphones to Improve Patient Care

Annette Brown, BSN, RN  
Director, Nursing Informatics  
Eisenhower Medical Center

Margaret Beaman, PhD, RN  
Director, Nursing Research  
Eisenhower Medical Center

**4C Room 304**

Population Health and Interoperability

Jessica L. Hatch, MS, CNL, RN  
Business Analyst  
Massachusetts eHealth Collaborative

---

**4D Room W208**

Small Groups Workshop on Case Study 3

Ann Tinker, MS, RN  
Vice President-Executive Engagement, Healthcare Quality Catalyst, Inc.  
Intermountain Health Care

Linda Lockwood, RN, MBA, PCMH, CCE  
Advisory Services Solutions Director  
CTG Healthcare Solutions

Melinda Y. Costin, CHCIO, FHIMSS, CPHIMS  
Vice President and CIO  
JPS Health Network

Moderator: Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE  
Visiting Professor and Co-Chair, SINI 2015 Planning Committee  
University of Maryland School of Nursing

11:15 a.m.-12:15 p.m.

CONCURRENT SESSION 5 (1.0 CNE)

**5A Room 140**


Ruth Schleyer, MSN, RN-BC  
Clinical Director, Informatics, Academics & Education  
Providence Health System, Tigard Business Center-Regional

Lisa Bove, DNP, RN-BC  
Senior Manager  
Accenture

**5B.1 Room 130**

Clinical Decision Support for Fall Risk Assessment and Plan of Care

Kay Lytle, DNP, RN-BC, CPHIMS  
Director, Maestro Care Periop, ED & OB  
Duke University Health System

Nancy Short, DrPH, MBA, RN  
Associate Professor  
Duke University School of Nursing

Rachel Richesson, PhD, MS, MPH, FACMI  
Duke University School of Nursing

Monica Horvath, PhD  
Health Analytics Lead  
ThotWave Technologies
5B.2 Room 130
The Relationship Between Nursing Documentation in EHR and the Incidence of Pressure Ulcers in the Intensive Care Units (ICUs)

Dan Li, PhD, RN
Assistant Professor
University of Pittsburgh

5C Room 304
Mobile Continuous Monitoring Interoperability

Rosemary Kennedy, PhD, MBA, RN-BC
CNO
Sotera Wireless, Inc.
President, CEO
eCare Informatics, LLC

5D Room W208
Continuation of Small Groups Workshop on Case Study 3

Ann Tinker, MS, RN
Vice President-Executive Engagement, Healthcare Quality Catalyst, Inc.
Intermountain Health Care
Linda Lockwood, RN, MBA, PCMH, CCE
Advisory Services Solutions Director
CTG Healthcare Solutions
Melinda Y. Costin, CHCIO, FHIMSS, CPHIMS
Vice President and CIO
JPS Health Network
Moderator: Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

12:30-2
Buffet Luncheon and Exhibitor Event

SMCCC Ballrooms A & B

2:15-3:15
CONCURRENT SESSION 6 (1.0 CNE)

6A Room 140
How About Data Analytics: Harnessing the Power of Data

Kelly Aldrich, DNP, RN-BC
Independent Consultant: Healthcare Informatics & Population Health
Hospitals Corporation of America Clinical Services Group

6B.1 Room 130
Mapping of Standardized Terminologies to Data Sensitive Categories

Tiffany Harman, RN
RN Medical Informatics Project Manager
3M Health Information Systems
Rachel Howe, MSN, RN
Nurse Informaticist
3M Health Information Systems

6B.2 Room 130
Selection of a Clinical Business Intelligence Solution-Validation with Clinical Use Cases Provides Early Clinical Insights

Gail Zielinski, MSN, RN-BC
Director
Ascension Health

6C Room 304
I’m a Clinician, Why Do I Care about Standards and Interoperability?

Linda Wedemeyer, MD, RN
Physician Informatician
Veterans Health Administration

6D Room W208
Reporting from Small Groups

Ann Tinker, MS, RN
Vice President-Executive Engagement, Healthcare Quality Catalyst, Inc.
Intermountain Health Care
Linda Lockwood, RN, MBA, PCMH, CCE
Advisory Services Solutions Director
CTG Healthcare Solutions
Melinda Y. Costin, CHCIO, FHIMSS, CPHIMS
Vice President and CIO
JPS Health Network
Moderator: Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

http://nursing.umaryland.edu/sini
Friday • July 24, 2015

8-8:30 a.m.
Registration and Continental Breakfast
UMSON Lobby

8:30-9:45 a.m.
Commander Lura Jane Emery Distinguished Lecture: Enhancing Practice in Informatics Through Interprofessional Collaboration (1.25 CNE)
Blackford Middleton, MD, MPH, MS
CEO
Clinformatica
Deborah Ariosto, PhD, MSN, RN
Director, Patient Care Informatics/CNIO
Vanderbilt University Medical Center and School of Nursing
Room 130

10-11
CONCURRENT SESSION 7 (1.0 CNE)

7A Room 140

Becoming a Competent Nursing Informaticist and Beyond!
Kelly Aldrich, DNP, RN-BC
Independent Consultant: Healthcare Informatics & Population Health
Hospitals Corporation of America Clinical Services Group
Lisa Bove, DNP, RN-BC
Senior Manager
Accenture
Patricia Sengstack, DNP, RN-BC, CPHIMS
Chief Nursing Informatics Officer
Bon Secours Health System, Inc.
Ruth Schleyer, MSN, RN, BC
Chief Nursing Informatics Officer
Providence Health System
Tigard Business Center - Regional
Nancy Staggers, PhD, RN, FAAN
Professor, Informatics, Biomedical Informatics Research, Adjunct Professor, University of Utah
Moderator: Eun-Shim Nahm, PhD, RN, FAAN
Professor
University of Maryland School of Nursing

7B.1 Room 130

Developing a Predictive Model of Suicidal Admission at Veterans Affairs Hospitals
Krystl Haerian, MD
Director, Health IT
University of Maryland, Baltimore County
Paul Mulhern, LCSWC, MBA
UMBC, Baltimore VA Medical Center
Eliot Siegel, MD
Baltimore VA Medical Center; University of Maryland School of Medicine
Christopher Nielson, MD
VHA Office of Analytics and Business Intelligence Reno, NV
Michael Grasso, MD
Baltimore VA Medical Center; University of Maryland School of Medicine
Schedule of Events - Friday

7B.2 Room 130

Utilizing a Mobile Care Coordination Platform to Improve Transitions of Care

Grant Campbell, MSN, RN
Senior Director, Nursing Strategy and Informatics
Zynx Health

7C Room 304

US/UK Views on Patient Centered Care Interoperability

Paula M Procter, MSc, RN, PGCE, SFHEA, FBCS, CITP, FIMIANI
Reader in Informatics and Telematics in Healthcare, Department of Nursing and Midwifery, Faculty of Health and Wellbeing
Sheffield Hallam University

Marisa Wilson, DNSc, MHSc, RN
Associate Professor and Specialty Track Coordinator, Nursing Informatics
School of Nursing/Family, Community, and Health Systems
University of Alabama at Birmingham School of Nursing

7D Room W208

Wrap-up: Lessons Learned, Take-aways to Apply in Work Settings, Suggestions for SINI 2016

Ann Tinker, MS, RN
Vice President-Executive Engagement, Healthcare Quality Catalyst, Inc.
Intermountain Health Care

Linda Lockwood, RN, MBA, PCMH, CCE
Advisory Services Solutions Director
CTG Healthcare Solutions

Melinda Y. Costin, CHCIO, FHIMSS, CPHIMS
Vice President and CIO
JPS Health Network

Moderator: Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

11:15 a.m.-12:30 p.m.

ENDNOTE ADDRESS

Health IT in the Age of Precision Medicine: What's Next?

(1.25 CNE)

Room 130

Doug Fridsma, MD, PhD, FACP, FACMI
President and CEO, AMIA

Dr. Doug Fridsma is president and CEO of the American Medical Informatics Association (AMIA) and an expert in informatics, interoperability, standards, and health IT (including meaningful use). Prior to joining AMIA, he was chief science officer for the Office of the National Coordinator (ONC) for Health Information Technology, responsible for the portfolio of technical resources needed to support the meaningful use program and health information technology interoperability. At ONC, he developed the standards and interoperability framework to accelerate development of technical specifications for interoperability, and in collaboration with the NIH and other federal agencies, established the key priorities in the PCOR Trust fund. Dr. Fridsma served as a board member of HL7 and the Clinical Data Interchange Standards Consortium, where he helped develop standards that bridge clinical care and research.

12:30-1

Closing Remarks and Announcement of People’s Choice Award

Room 130

Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

Mary Etta Mills, ScD, RN, NEA-BC, FAAN
Professor and Co-Chair, SINI 2015 Planning Committee
University of Maryland School of Nursing

http://nursing.umaryland.edu/sini
Data, Documentation, and Analytics to Improve Quality and Safety and to Advance Knowledge

1. Realizing the Benefits of Home Care Data: Identifying Home Care Clinical Practices Most Associated with Hospital Readmissions and Non-Admitted ER Visit Rates
   Gunes Koru, PhD
   Dari Alhuwail, MSc
   Abdulrahman Aifan, MSc

2. Big Data and the Future of Nursing Knowledge
   Beth Meyers, MS, RN, CNOR
   Joyce Sensmeier, MS, RN-BC, FAAN

   Tim Hoh, RPh
   Pamela Kruger, MS
   Idal Beer, MD

4. Evaluation of a Local Terminology to SNOMED CT Crosswalk
   Rachel Howe, BSN, RN
   Tiffany Harman, RN

5. Phase One: Optimization of Pressure Ulcer Documentation and Data Compilation
   Becky Gilbert, MSN, RN

6. Achieving Constant Regulatory Readiness through Rounding with Tablet Software
   Lee Hicks, MSN, RN, CMSRN
   Lucille Wilcox, MS, RNC-OB, CPPS

7. Making Real Time Documentation “Real”: Developing and Designing a Mobile Device App with End User Input for Point of Care Documentation
   Selena McClinton, RN
   Onyekachi Festus, RN

8. All in One Real Time Electronic Information Tracking Board
   Veronica Rivero, BSN, RN

Clinical Process Improvement

9. Simulation as a Development Tool in the Creation of an Electronic Medication Administration Record for the Emergency Department
   Jean Campbell, MS, RN
   Shelly Calder, MSN, RN, CEN
   Rachel Hutchinson, MHA, RN
   Steven Horng, MD, MMSc, FACEP
   Patricia Bourie, MS, RN
   Kevin Afonso, BS
   John Hrenko, PharmD

10. Improving Re-evaluation of a Patient’s Pain After IV Pain Medication in the Emergency Department
    John Lussier, MSN, RN

11. Exploring Handoff Communication During Transitions in Care from Intensive Care to Inpatient Units: A Pilot Study
    Nakia Best, MSN, CNL, RN
    Debbie Travers, PhD, RN

12. Characteristics of Nurses Performing Health Information Technology Workarounds in Intensive Care
    Jennifer Browne, MSN, RN, CCRN

13. Barriers Affecting Clinicians’ Effective Use of Information Shared Through Health Information Exchange
    Yulie Jane Dait, BSN, CCRN

14. Building a Better Care Plan
    D’Ann Orr, MSN, RN, CHTS-CP
    Laurie Herzer, MPH, BSN, RN, OCN

    Anthony Morgan, MSN, RN-BC, CEN
Implementation of Systems and Applications

16. Serving Up an Upgrade ... Identifying the Right Ingredients
   Regina Coll, MDE, RN-BC
   Kristina Andersen, BSN, RN
   Gloria Oshegbo, MSN, RN

17. Retirement of a Custom Legacy Application While Promoting the Enterprise EHR Solution
   Cassandra Mombrun, MSN, RN
   Sara Gibbons, MSN, RN-BC, CPN
   Lauren Danforth, BSN, RN, CCRN
   Dennis Doherty, MSN, RN, CCRN
   Lee Williams, MSN, RN-BC
   Tim O’Connor-Crowe, CPhT, MPH, MSHI
   Cassandra Hunter, MSN, RN, CPNP

18. Innovative Electronic Workflow Solution for Nursing: Large Healthcare System Implementation
   Kamala DeVivo, MSN, RN

19. Implementing Evidence Based Care Plans
   April Saathoff, MS, RN, CPHIMS

Nursing Informatics Education

20. Leveling Informatics Online Education Across Baccalaureate, Master’s, and Doctoral Programs in a School of Nursing
   Michael Landry, DNS, RN
   Heidi Landry, DNS, RN

21. Actual Situations and Urgent Challenges of Nursing Informatics Education in Baccalaureate Programs in Japan
   Katsumasa Ota, RN, PHN
   Naoka Hirata, BSN
   Yukari Niimi, MSN
   Jukai Maeda, PhD

Save the Date!

SINI 2016
Informatics at the Crossroads of Care Coordination
July 20 – 22, 2016
http://nursing.umaryland.edu/sini

http://nursing.umaryland.edu/sini
We are grateful for the outstanding contributions of the following individuals, whose dedication and support have made SINI a success over the past 25 years.

Dr. Patricia Abbott*  Dr. William Holzmer*  Ms. Paula Proctor  Dr. Darryl Roberts  Dr. Carol Romano*
Ms. Dana Alexander  Dr. Arpad Kelemen  Dr. Rosemary Kennedy  Dr. Carol Romano*
Dr. Janet Allan  Dr. Jane Kirschling  Dr. Virginia Saba*  Dr. Charlotte Seckman
Dr. Ida Androwich  Dr. Gunes Koro  Dr. Ray Simpson  Dr. Joyce Sensmeier
Dr. Suzanne Bakken*  Dr. Heimar DeFatima Marin  Dr. Kathleen McGrow*  Dr. Diane Skiba*
Dr. Marion Ball*  Ms. Karen Martin*  Dr. Kathleen Smith  Ms. Sonia Smith
Dr. Carol Bickford  Dr. Susan Matney  Dr. Nancy Staggers  Dr. Theo Stone
Dr. Patricia Flatley Brennan*  Dr. Kathleen McCormick*  Ms. Ann Tinker  Dr. Judith Warren*
Dr. Betty Chang  Dr. Kathleen McGrow  Dr. Charlotte Weaver  Dr. John Welton
Dr. Kathleen Charters  Ms. Ginny Meadows  Dr. Marisa Wilson  Ms. Rita Zielstorff*
Ms. Melinda Costin  Dr. Kathleen Miholland Hunter  Dr. Nancy Staggers  Dr. Theo Stone
Dr. Barbara Covington  Dr. Mary Etta Mills*  Ms. Ann Tinker  Dr. Judith Warren*
Dr. Constance Delaney  Dr. Kathryn Montgomery  Dr. Charlotte Weaver  Dr. John Welton
Dr. Patricia Dykes  Ms. Judy Murphy*  Ms. Sonia Smith  Dr. Theo Stone
Dr. Scott Erdley  Dr. Peter Murray  Dr. Nancy Staggers  Dr. Theo Stone
Ms. Linda Fischetti  Dr. Eun-Shim Nahm  Dr. Susan Newbold  Dr. Anthony Norcio
Dr. Patricia Franklin  Dr. Anthony Norcio  Dr. Susan Newbold  Dr. Anthony Norcio
Dr. Barbara Frink  Dr. Susan Newbold  Dr. Erma Freeman  Dr. Kathleen McGrow
Dr. Carole Gassert*  Dr. Anthony Norcio  Dr. Susan Newbold  Dr. Anthony Norcio
Dr. Brian Gugerty  Mr. Ernest Opoku-Agyemang  Dr. Judy Ozbolt*  Ms. Rita Zielstorff*
Dr. Barbara Heller*  Dr. Terese Panniers  Dr. Judy Ozbolt*  Ms. Rita Zielstorff*
Dr. Patricia Hinton-Walker  Dr. Terese Panniers  Dr. Judy Ozbolt*  Ms. Rita Zielstorff*

*Involved with Summer Institute in Nursing Informatics since inception.
Planning Committee

PROGRAM CO-CHAIRS

Judy Ozbolt, PhD, RN, FAAN, FACMI, FAIMBE
Visiting Professor
University of Maryland School of Nursing

Mary Etta Mills, ScD, RN, NEA-BC, FAAN, CNE-BC
Professor
University of Maryland School of Nursing

COMMITTEE MEMBERS

Marion J. Ball, EdD
IBM Senior Advisor, Healthcare Informatics

Kathleen G. Charters, PhD, RN, CPHIMS
Nursing Consultant
Defense Health Agency

Melinda Costin, FCHIME, CHCIO, FHIMSS, CPHIMS
Vice President & CEO
JPS Health Network

Patricia D. Franklin, PhD, RN
Director, Professional Education
Assistant Professor
University of Maryland School of Nursing

Patricia Dykes, PhD, FAAN, FACMI
Senior Nurse Scientist
Program Director, Center for Patient Safety Research and Practice
Program Director, Center for Nursing Excellence
Brigham and Women’s Hospital

Brian Gugerty, DNS, RN
CEO
GIC Informatics, LLC

Linda Keldsen, MS, MBA-HC, RN, CPHRM
Director, Veterans Health Education, Nursing Affiliations & HealtheVet
VA Maryland Health Care System

Arpad Kelemen, PhD
Associate Professor
University of Maryland School of Nursing

Kathryn Lothschuetz Montgomery, PhD, RN, NEA-BC
Chair, Department of Partnerships, Professional Education, & Practice
Associate Professor
University of Maryland School of Nursing

Eun-Shim Nahm, PhD, RN, FAAN
Professor
University of Maryland School of Nursing

Ernest Opoku-Agyemang, MSN, MA, RN
Clinical Instructor
University of Maryland School of Nursing

Charlotte Seckman, PhD, RN-BC
Assistant Professor
University of Maryland School of Nursing

Sonia Smith, BS
Program Coordinator
University of Maryland School of Nursing

Catherine Whelchel, MHSA, BSN, RN, NEA-BC
Product Management/Clinical Director
McKesson

Marisa L. Wilson, DNSc, MHSc, RN-BC, CPHIMS
Associate Professor
Specialty Track Coordinator, Nursing Informatics
School of Nursing/Family, Community, and Health Systems
University of Alabama at Birmingham School of Nursing
We are grateful for the generous support of our SINI 2015 Sponsors and Exhibitors.

SPONSORS

American Nurses Credentialing Center
Heather Howard
heather.howard@ana.org
8515 Georgia Avenue #400
Silver Spring, MD 20910
Phone: 301-628-5028
www.nursecredentialing.org

Infor Healthcare
Elizabeth Meyers
beth.meyers@infor.com
1490 6th Avenue
Baldwin, WI 54002
Phone: 651-705-6074
www.infor.com/industries/healthcare

Orion Health
Kara Hill
kara.hill@orionhealth.com
10 Post Office Square
Suite 800N
Boston, MA 02104
Phone: 416-775-8279
www.orionhealth.com/us/

University of Maryland Baltimore County (UMBC)
Krystl Haerian
krystl.haerian@umbc.edu
1000 Hilltop Circle
Baltimore, MD 21250
Phone: 410-455-3034
Fax: 410-455-6719
www.umbc.edu/
Sponsors and Exhibitors

EXHIBITORS

American Medical Informatics Association (AMIA)
Rob Rader
robi@amia.org
4720 Montgomery Lane
Suite 500
Bethesda, MD 20814
Phone: 301-657-5910
Fax: 301-657-1296

American Nursing Informatics Association (ANIA)
Tom Greene
ania@anij.com
E Holly Ave Box 56
Pittman, NJ 08094
Phone: 866-552-6404
Fax: 856-589-7463

Epic
Katie Najduk
knajduk@epic.com
1979 Milky Way
Verona, WI 53593
Phone: 608-271-9000

Intelligent Medical Objects
Tara Cahill
tcahill@e-imo.com
60 Verere Drive
Noahbrook, IL 60062
Phone: 847-752-3425

Isabel Healthcare
Don Bauman
don.bauman@isabelhealthcare.com
1710 Hermitage
Ann Arbor, MI 48104
Phone: 734-332-0612

Maryland Relay
Asia Johnson
asia@mdrelay.org
301 W Preston Street
Baltimore, MD 21201
Phone: 410-767-8828

MEDITECH, Inc. (Medical Information Technology, Inc.)
Lisa Billington
lisabillington@meditech.com
MEDITECH Circle
Westwood, MA 02090
Phone: 781-774-4705
Fax: 781-821-2199

TeleTracking Technologies
Tori Rodgers
tori-rodgers@teletracking.com
336 Fourth Avenue
Pittsburgh, PA 15222
Phone: 800-927-0294
Fax: 412-391-5148

University of Maryland School of Nursing (UMSON) Admissions
655 W Lombard Street
Baltimore, MD 21201
Phone: 410-706-0501

University of Maryland School of Nursing (UMSON) Alumni
Cynthia Sikorski
sikorski@son.umaryland.edu
655 W Lombard Street
Suite W-209
Baltimore, MD 21201
Phone: 410-706-0674

http://nursing.umaryland.edu/sini
The University of Maryland School of Nursing (UMSON) was the first nursing school in the world to offer a master's specialty in informatics and a doctoral degree with a focus on informatics. For more than two decades, UMSON has offered its renowned informatics programs, and today, it remains a leader in nursing informatics educational offerings. The informatics curriculum is continually updated in response to emerging technology and the needs of the health care system.

Complete Your Advanced Degree!

Nursing Informatics

Master's of Science (MS) and Post-Master's (Post-MS):

- MS: 40 credits
- Certificate: 19 credits
- MS/MBA
- Highly individualized course plans
  - Full- or part-time
  - Comprehensive practicum

Full online option available

PhD/DNP programs with a focus in nursing informatics:

- Doctor of Nursing Practice (Post-MS DNP):
  Completely online format (36 credits)
- Doctor of Philosophy (PhD):
  Face-to-Face format (60 credits)

The Nursing Informatics MS specialty participates in the Academic Common Market, meaning that students who reside in member states of the Southern Regional Education Board may request to pay in-state tuition if there is no nursing informatics program offered in a public university in their home state.

For more information, email:
informatics@son.umaryland.edu