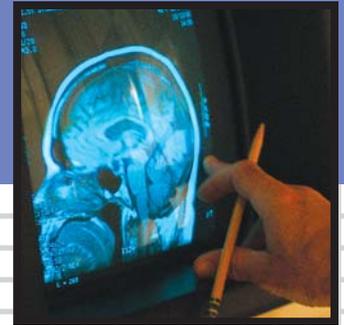Informatics

2005

Informatics

15th Annual
Summer Institute in Nursing Informatics
July 20-23 2005 University of Maryland School of Nursing

Breaking the Barriers of Healthcare Informatics

People, Process & Technology

**Pre-Conferences
July 18-20**

**Conference
July 20-23**

nursing.umaryland.edu/informatics

Overview

International speakers and leaders in the field of informatics will present seminars and workshops that are didactic as well as interactive. You will see examples of informatics in practice and learn how technology influences our patients, colleagues, institutions, and your future. In addition, you will have the opportunity to network with leaders, researchers, and colleagues in this field, attend how-to sessions on informatics processes, and observe software demonstrations.

NEW THIS YEAR! Specially designed tracks that will address the components of our theme: People, Process and Technology. We also list tracks by level and experience.

- Novice Track – Sessions will be provided for those of you who are new to the field of informatics and would like clear, concise, and basic introductions to a variety of "hot" topics.
- Advanced Track – For those of you who are the "pioneers" and experts in this field, you will have the opportunity to attend scholarly sessions with industry and educational leaders who will take you to the next level in your knowledge and your profession.
- All – Timely presentations that will be beneficial to all participants, regardless of experience in the field.

"The Institute reflects what is current in the informatics world as it pertains to nurses and patient care.
I always learn something new from the educational, vendor, and networking events."
–Susan K. Newbold, MS, RNBC, FAAN, FHIMSS

Who Should Attend?

The 15th Annual Summer Institute in Nursing Informatics will focus on identifying and overcoming the many and varied challenges that are arising in the fast-paced arena of healthcare information. Whether or not you consider yourself an informatician, it is clear that you will be consistently confronted with the need to have a comprehensive working knowledge of this field.

- **Nurse managers and executives** select and implement systems that are appropriate to their environment
- **Administrators and supervisors** use decision support systems to facilitate care giving systems
- **Clinicians** must use technology in direct patient care and for documentation
- **Researchers, educators and students** demand an awareness of cutting edge advancements

This is a dynamic, rapidly changing facet of healthcare – and this is the premier and largest nursing informatics conference in the nation. You can't afford to miss it.

"Of all the conferences that I have the opportunity to attend, I continue to choose this program year after year
and always find sessions that are timely, innovative, and appropriate for my professional needs."
–Jason Windsor, RN, CEN

Location

The Institute will be held at the University of Maryland School of Nursing in Baltimore's beautiful Inner Harbor. We are located just 15 minutes north of Baltimore/Washington International Airport and less than one hour from Washington, D.C. If you are looking for a smaller city that offers many unique and interesting attractions, you should not miss Baltimore. This city has it all: great cuisine, an array of shopping, a stunning waterfront and sites for the entire family to enjoy. From our local crab cakes to the Edgar Allen Poe House to the National Aquarium and Maryland Science Center, we have fun and history for all. For more information on sporting, cultural, or social events, please visit **www.baltimore.org.**

Informatics Graduate Degrees

The School was the first in the nation to offer graduate degrees in Nursing Informatics and continues to be a leader in nursing education in this specialized field. Boasting nearly 500 alumni, the graduates of these programs serve in high-level positions in healthcare systems throughout the country.

Continuing Education and Accreditation

The School's Office of Professional Development and Continuing Education provides innovative, timely, and highly professional programs that serve more than 3,000 professionals each year. This Office is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Note: To qualify for continuing education, you must sign in each day at the registration desk. You must also submit completed evaluation and demographic forms. Contact hours are calculated based on your attendance at daily educational sessions. There is no additional fee for continuing education.

Contact hours for the Summer Institute are as follows:
- Wednesday, July 20   1.8 hours
- Thursday, July 21   6   hours
- Friday, July 22   5.1 hours
- Saturday, July 23   3.9 hours

Total contact hours: **16.8**

Expanded 2005 Web Cast

If you or some of your colleagues can't attend SINI 05 in person, you can attend at your home or office! The web cast for this year is much more comprehensive, offering significantly more programming than in past years. Keynote, plenary, and distinguished lectures will be Web Cast as well as a wide variety of concurrent sessions and the 2005 award-winning peer-reviewed paper presentations. You have the option to participate in the program live as well as view archived portions of the conference for two weeks following the Institute via the Internet. Web Cast presentations are identified in this brochure and on the Informatics Web site under the Schedule and Speakers section.

"We can fund only a few of our nurses to actually attend the Summer Institute each year, but in 2004, many more were also able to participate through the Web cast. When we "compared notes," we agreed that the selection of Web cast sessions was generous, of excellent quality, and very representative of the overall conference."

Hotel Information – Reserve Soon!

Conference hotel:
Baltimore Marriott Inner Harbor
110 South Eutaw Street, Baltimore, MD 21201
1 1/2 Blocks from University of Maryland School of Nursing

Special Conference Rate:
$149 per night ($169 for triple/quad room).
Deadline for this rate:
June 24, 2005 (we expect the rooms to fill much sooner)
Conference code:
When you make reservations refer to "**AIC**" (Annual Informatics Conference)

Reservations:
410-962-0202 or 1-800-228-9290
http://marriott.com

NEW! Online registration

For your convenience, we have instituted a secure online registration process for SINI 2005. To register and for updates, visit the conference website at *www.nursing.umaryland.edu/informatics*

Summer Institute in Nursing Informatics 2005 Objectives

The objectives of the 2005 Institute include the following:

1. Assess the implications of the evolving national health information infrastructure for healthcare delivery settings and for consumers.
2. Develop strategies for creating and evaluating virtual learning communities among and between patients and health care personnel.
3. Identify approaches to creating integrated networks to support the healthcare continuum.
4. Apply informatics solutions that will extend nursing care delivery across the healthcare continuum.
5. Identify innovative information technologies that could be useful in healthcare delivery and evaluation.
6. Strategize mechanisms by which information systems may creatively bridge people, process and technology.
7. Use informatics methodologies, tools, and practices to analyze nursing's impact on patient and organizational outcomes.

"The Summer Institute has been a consistent resource for me through my informatics education and professional career. The program provides experiences for every level and has managed to accommodate me as I have grown. I count on this event to update me on current trends and to effectively expand my knowledge base."

– Colleen Morris, MS, RN

University of Maryland School of Nursing

Founded in 1889, the University of Maryland School of Nursing is one of the leading research institutions in the nation. Consistently ranked among the top 10 schools in the nation by *U.S. News & World Report*, the School enrolls more than 1,400 students in its baccalaureate, master's, and doctoral programs. The School emphasizes the integration of research, teaching, and clinical practice, and serves regional, national and international audiences.

SCHEDULE OF EVENTS

PRE-CONFERENCES

Pre–Conference 1

WEEKEND IMMERSION IN NURSING INFORMATICS (WINI)
July 18, 19, and 20

Overview

This course focuses on practice trends and issues facing the nursing profession and provides a comprehensive examination of nursing informatics theories, impact of human factors, systems analysis, and design approaches. Included are methods for managing information databases and systems, as well as the evaluation of computer technology systems. The content provides an opportunity to prepare for the ANCC Nursing Informatics Certification Exam and is conducted by certified informatics nurses. The program is designed for nurses who want to expand or clarify their working knowledge of nursing informatics. According to the ANA Scope and Standards of Practice, all nurses need to utilize nursing informatics concepts in their practice.

Objectives

At the completion of the conference, each participant will be able to:
- Identify current professional practice trends and emerging issues facing the nursing profession
- Discuss theories used in nursing informatics
- Analyze the human factors that affect nursing informatics
- Identify methods of managing information and databases
- Plan for implementation and support of a computer system
- Review essential information about computer systems, their functions, and basic terminology related to hardware and software
- Discuss systems testing and evaluation techniques
- Review key test-taking strategies to facilitate success in taking the ANCC Certification Exam

Course Materials

All course materials are included in the registration fee and each student will receive a one-year subscription to the magazine, *Computers, Informatics, and Nursing.*

Instructors

Dr. Carol J. Bickford and Ms. Kathleen Smith, are both board certified in nursing informatics. Each received the Information Technology Award for Knowledge Advancement in 2001 from Sigma Theta Tau, the international honor society in nursing, and, in 2003, the Outstanding Nurse Educator Award from the Maryland Nurses Association. Together, they are managing partners of Informatics Consulting and Continuing
Education, L.L.C.

Carol Bickford, PhD, RN, BC, is a registered nurse with over thirty years experience in diverse medical-surgical, ambulatory care, administrative, and informatics positions. Bickford is a senior policy fellow in the Department of Nursing Practice and Policy at the American Nurses Association and an active member of the ANA Staff Development and Education Committee and the ANA Continuing Education Staff Advisory Committee. She is also a member of several committees of the American Medical Informatics Association.

Kathleen Smith, MScEd, RN, BC, FHIMSS has extensive experience as an educator and instructional designer and more than 30 years experience in a variety of nursing positions. She is also on the Board of Directors and Webmistress for the District 5 Maryland Nurses Association. Smith, who has an independent Nursing Informatics Consulting practice, has presented nursing informatics seminars at local, national and international meetings. She has authored a chapter in the book *Clinical Informatics,* published by the Healthcare Informatics and Management System Society, Chicago, IL. She has also authored a chapter, "Technical Standards Used in Health care Informatics" in *Health Care Informatics: An Interdisciplinary Approach*, (2002) Englebardt, S. and Nelson, R. Eds. St. Louis: C.V. Mosby.

Schedule

Monday, July 18	8:00 AM – 5:00 PM
Tuesday, July 19	8:00 AM – 5:00 PM
Wednesday, July 20	8:00 AM – 12:00 Noon

Breakfast is included and will be served 7:30 AM– 8:00 AM each day. Lunch is included on Monday and Tuesday.

Continuing Education: 21 Nursing Contact Hours

Fee: $575 / After July 1 $625

Pre-Conference 2

HEALTHCARE INFORMATION TECHNOLOGY PROJECT MANAGEMENT
July 18, 19, and 20, 2005

Overview

This is an intensive two and one half day workshop/seminar designed to give participants the essential principles and tools for Healthcare IT Project Management. Healthcare providers, consultants, analysts, information specialists, information systems personnel, and informatics nurse specialists will benefit from the program. The course is modeled on a highly successful project management workshop taught in over 325 companies and institutions nationally and internationally. It will feature a practical, results- oriented approach using a healthcare project example. Participants actively participate in five one and one half hour exercises throughout the workshop that reinforce instructor delivered concepts in an engaging way. The impact on your organization in terms of decreased costs and increased productivity will begin immediately. A workbook is included.

Objectives

At the completion of this course, each participant will be able to:
- Effectively run a healthcare IT project using a disciplined approach
- Define the relationship between project performance, cost, time and scope
- Develop a model for a healthcare IT project's vision and mission
- Lead a team in the selection of a healthcare IT project strategy
- Use the Work Breakdown Structure methodology to create time, cost and resource estimates
- Identify risk management techniques to reduce healthcare IT project risks
- Define the critical path of a project
- Analyze and utilize schedule computations in a project
- Maximize use of project resources
- Conduct a project review
- Conduct an Earned Value Analysis on a project
- Discuss healthcare IT project team leadership and how a project team can be empowered

Instructors

Brian Gugerty DNS, RN is an assistant professor at the University of Maryland, Baltimore, School of Nursing.
He teaches a graduate-level healthcare information technology project management course. Gugerty has nine years of Healthcare Informatics Project Management experience as a Director of Nursing Informatics in an integrated healthcare delivery network and as a product manager for a clinical information systems company.

Judy Murphy, RN, BSN, is Director of Application Development at Aurora Health Care in Milwaukee, Wisconsin. She is responsible for the systems that support all clinical areas and leads Aurora's Electronic Health Record implementation. She has been in systems work for 21 years, and has extensive experience with all levels of project management in both custom program development and purchasing vendor products. Murphy is currently responsible for 120 analyst and programming staff and has published and lectured nationally and internationally on the use of computers in healthcare.

Schedule

Monday, July 18	8:00 AM – 5:00 PM
Tuesday, July 19	8:00 AM – 5:00 PM
Wednesday, July 20	8:00 AM – 12:00 Noon

Breakfast is included and will be served 7:30 AM – 8:00 AM each day. Lunch is included on Monday and Tuesday.

Continuing Education: 20 Nursing Contact Hours

Fee: $575 / After July 1 $625

"During this workshop, we have our own version of 'The Apprentice' in that each participant will have the opportunity to serve as their team's Project Manager (not to worry, no one will be fired). After a thorough discussion of the concepts of project management, we begin workshop exercises using a real-life example of an Electronic Medication Administration Record (eMAR) Implementation Project. Each participant will work with the same Project Team to complete the assigned tasks for each exercise, with one person serving as Project Manager. In this way, the concepts and tools become immediately useful and practical."
—Judy Murphy, Instructor
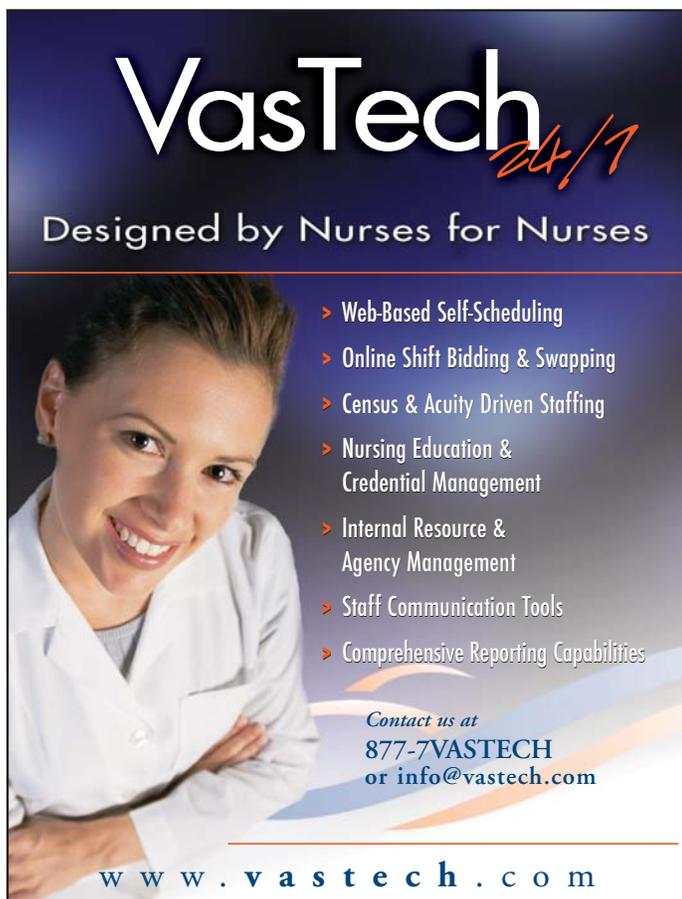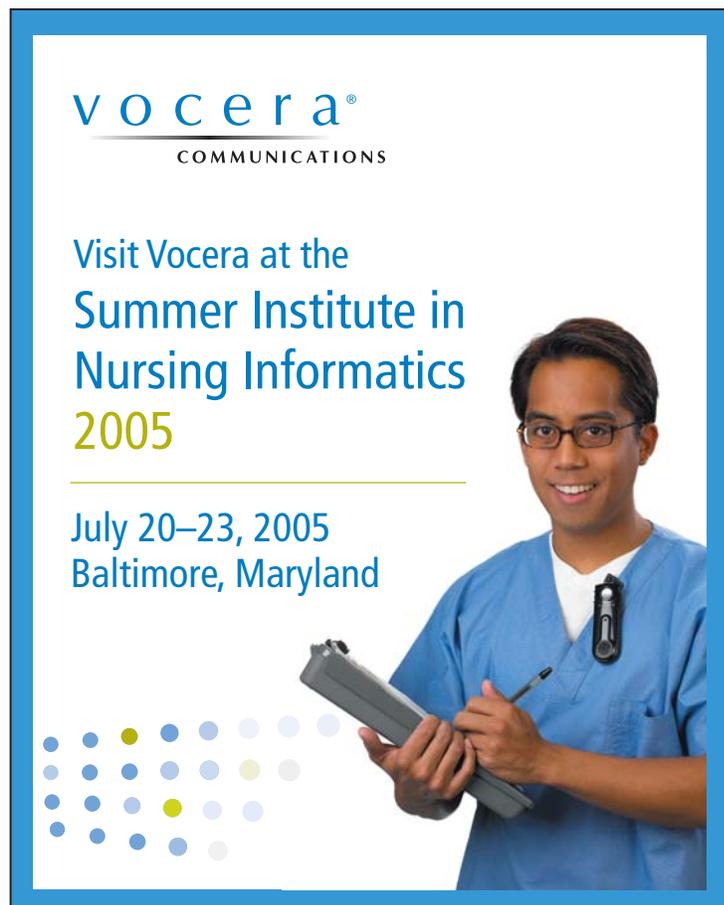
SUMMER INSTITUTE IN NURSING INFORMATICS 2005
DAILY SCHEDULE with descriptions of courses and events

WEDNESDAY, JULY 20

NOON – 2:00 PM
PARTICIPANT REGISTRATION AND CHECK-IN

School of Nursing Lobby

1:00 – 2:00 PM
TIPS FOR A SUCCESSFUL SINI PRESENTATION

Free Workshop for Peer-Review Paper and Poster Presenters

Kathleen Charters, PhD, RN, CPHIMS
Assistant Professor and
Nursing Informatics Program Director
University of Maryland School of Nursing

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

1:00 – 2:00 PM
IMIA – Nursing Informatics OSNI Workgroup Meeting
Open to all interested conference attendees


2:30 – 3:00 PM
INTRODUCTIONS AND WELCOME ■ WEB CAST ■
Auditorium, Room 130

Janet D. Allan, PhD, RN, CN, FAAN
Dean and Professor
University of Maryland School of Nursing

Mary Etta Mills, ScD, RN, CNAA, FAAN
Program Chair Informatics 2005
Associate Dean for Academic Affairs and Associate Professor
University of Maryland School of Nursing

"On behalf of the Planning Committee, I welcome you to the 15th Annual Summer Institute in Nursing Informatics, 'Breaking Through the Barriers of Healthcare Informatics: People, Process, and Technology.' We have enjoyed creating this comprehensive program and are proud to bring you presenters who are truly the leaders in the field, sponsors who are committed to the Institute as well as your professional growth, and exhibitors who are eager to share their products and services with you. This program, once again, promises to be intellectually rigorous as well as a great opportunity to network with colleagues and thoroughly enjoy yourself."
—Mary Etta Mills, Program Chair

3:00 – 4:30 PM
KEYNOTE ADDRESS   ■■ **WEB CAST** ■■
Auditorium, Room 130

THE NATIONAL HEALTH INFORMATION TECHNOLOGY AGENDA:
HOW NURSES CAN GET ON BOARD

Linda Fischetti, RN, MS
Health Informatics Architect,
Future Health Systems Design and Usability
Health Information Architecture
Veterans Health Administration

Nurse Informaticists have the valuable domain knowledge needed to architect the future of healthcare informatics for the nation. The use of information technology as a means to improve the quality and efficiency of healthcare for the individual consumer has emerged as an important issue into public awareness. The national agenda for healthcare informatics is developing at an unprecedented pace through multiple collaborations and public/private initiatives. This session will address how the nurse informaticist can become a strategic partner in driving the national healthcare informatics agenda.

4:45 – 5:15 PM
SIMULATION LABORATORIES TOUR AND DEMONSTRATION

Debra Spunt, MS, RN
Assistant Professor
Director, Clinical Simulation Laboratories
University of Maryland School of Nursing

Dawn Foster, MS, RN, CCRN
Coordinator, Clinical Simulation Laboratories
University of Maryland School of Nursing

The Clinical Simulations Laboratories will be used to demonstrate the application of clinical simulation to nursing education of all levels. Participants will see demonstrations in the basic, health assessment, and specialty labs. Interested participants can meet on Floor 2 near the elevators at 4:45 PM.

6:00 – 10:00 PM
SOCIAL EVENT – DINNER, DANCING, AND NETWORKING
1840s Ballroom
29 South Front Street
Baltimore, MD 21202

Shuttle bus service will be available from the School of Nursing and the conference hotel to the Ballroom.

JOIN US FOR AN EVENING OF DINING, NETWORKING, AND DANCING. THE 1840S BALLROOM offers a unique look back at Baltimore in the 1800s with exquisite architecture to compliment the timeless murals. Our dynamic DJ will play 1970s disco and other memorable tunes. Our dance instructor will motivate and inspire you to participate in the fun. A delicious catered dinner, including alcoholic refreshments, will be served. Business casual attire is suggested. This program is included with your SINI registration and is offered to guests who have not registered for just $75.

THURSDAY, JULY 21

8:00 – 8:30 AM
CONTINENTAL BREAKFAST
School of Nursing Lobby

8:30 – 9:30 AM
PLENARY SESSION   ■■ WEB CAST ■■
Auditorium, Room 130

MAGNET HOSPITALS AND TECHNOLOGY
Margaret McClure, EdD, Professor, New York University

The use of technology in hospitals today is increasing exponentially. As a result, nurses need to become much more involved in the selection, implementation, and evaluation of systems, particularly as they relate to their practice. Magnet Hospitals have learned the importance of involving nurses in all major decisions and programs; as a result, they have much to teach us about becoming effective consumers. This session will explore the relationship between nursing practice, technology and Magnet settings.

9:30 – 10:00 AM
MORNING BREAK

NOTE: CONCURRENT SESSIONS INFORMATION
NEW! This year we have created tracks for all concurrent sessions that address current themes in Nursing Informatics. This is for the purpose of information and organization. You are free to select any concurrent session in each time slot.

Concurrent Session Tracks:
Track A   Evaluation
Track B   Technology
Track C   Language
Track D   Leadership
Track E   Safety

10:00 – 11:00 AM
CONCURRENT SESSIONS

1A. KNOWLEDGE MANAGEMENT AND THE EHR – WHERE DO I BEGIN?
(Advanced Level)

Rosemary Kennedy, MBA, RN
Chief Nursing Informatics Officer
Siemens Medical Solutions

Participants will receive a practical framework to use as a road map for integrating knowledge management into the electronic health record (EHR). Knowledge management influences basic alerts, documentation, ordering and treatment, monitoring response to care. Built on a foundation of a controlled vocabulary, knowledge management provides support for critical thinking at the point of care. Knowledge management is integrated into the EHR so clinicians can act on knowledge in real time while caring for the patient. Having relevant knowledge readily available at the point of care facilitates the delivery of effective and safe healthcare.

1B. TECHNOLOGY: ITS CURRENT AND FUTURE IMPACT ON PATIENT SAFETY, CULTURE, AND PROCESS TOWARDS TRANSFORMING HEALTHCARE

(All Levels)

Marion J. Ball, EdD
Vice President, Clinical Informatics Strategies
Healthlink Incorporated

The extent of medical error problems in the United States, the main causes of medical errors, and the lessons learned when adopting and implementing a computerized provider order entry electronic health record system are presented. The most significant barriers to implementing information technology are identified. The need for cultural change and awareness in the healthcare setting when addressing patient safety issues, including awareness of the new role of the consumer in the healthcare setting, is addressed. Specific safety problems looming for healthcare in the next five years may be integrated through four steps to enhance patient safety in the patient care arena.

1C. USING CLINICAL DATA: SINK, FLOAT OR PADDLE FAST ■ WEB CAST ■

(Advanced Level)

Karen Martin, MSN, RN, FAAN
Health Care Consultant

Practitioners spend considerable effort collecting and documenting clinical data in all settings. Are those data valid and reliable? If the answer is no, what changes can be made? If the answer is yes, how well are data used and by whom? Various strategies can improve the use of clinical data, and, in turn, improve client care.

1D. CREATING A VISION OF EXCELLENCE: A FRAMEWORK WHEN IMPLEMENTING HEALTHCARE IT

(Advanced Level)

Ann McDermott, MS, RN
Director, Sale Solutions
Eclipsys Corporation

Elizabeth Phillip, RN, MSN, BC
Senior Clinical Product Consultant
Eclipsys Corporation

The implementation of a computerized patient record is a time of organizational change when leaders are challenged to support health care workers and articulate the benefits of IT systems in carrying out the organizational mission. This presentation will use the Studer Group principles for sustaining organizational excellence as a framework to guide leaders in supporting nurses and physicians as they experience the impact of information technology on their practice. Eclipsys Sunrise software solutions™ 4.0 release will serve as a basis for outlining the benefit of computerized patient records in sustaining positive outcomes through organizational excellence.

1E. KNOWLEDGE PORTALS: SUPPORTING EVIDENCE-BASED PRACTICE

(All Levels)

Martha (Muffie) Martin, MSN, RN, BC
Senior Project Specialist
Partners HealthCare System

Clinical information is growing at such a rapid rate that clinicians are unable to remember all the information that they need. Information systems can support clinicians with clinical decision support and reference information at the point of care. Clinical decision support enabled by knowledge management is essential for safe, effective, quality care. It is best when embedded in the EMR and delivered within the workflow. Knowledge portals can assist with the vetting of clinical decision support and the delivery of reference information and/or context aware reference "Knowledge Linking" techniques.

11:00 AM – 1:00 PM
LUNCH (on your own)

ALUMNI LUNCHEON (by invitation only)
Sponsored by the University of Maryland School of Nursing
Alumni Office

1:00 – 2:00 PM
CONCURRENT SESSIONS

2A. NURSING DOCUMENTATION ASSESSMENT PROJECT: AN EVIDENCE–BASED APPROACH
(All Levels)

Patricia Dykes, RN, DNSc
Sr. Nurse Informatician
Partners HealthCare System

The purpose of the Partners HealthCare System (PHS) Baseline Nursing Documentation Assessment Project was to review the ways in which data and information are documented and captured across Partner's Institutions with a focus on nursing documentation. A review of the current state of nursing documentation across PHS Institutions was conducted as a joint venture between the PHS Chief Nurse Council and PHS Information Systems in October and November 2004. Data from this assessment will be employed to facilitate an evidence-based approach to decision making regarding conversion to electronic documentation at local and Partners Healthcare System levels. This presentation will focus on the tools employed to capture baseline assessment data across a diverse health system and the challenges associated with the assessment process.

2B. COMPUTERIZED PROVIDER ORDER ENTRY (CPOE)
(All Levels)

This presentation will discuss the planning and implementation phases of Computerized Provider Order Entry. The roles of administrators, Informatics professionals, educators and end users will be described. The discussion will include what is needed for a successful implementation in outpatient and inpatient settings in a university affiliated facility. The presenter will give examples of committee structure, resource requirements (personnel and material), and training requirements for a successful implementation. The participant will come away from this session with a clear idea of the efforts required to implement provider order entry.

2C. PANEL DISCUSSION: OPEN SOURCE AND FREE SOFTWARE: WHAT EVERY NURSE INFORMATICIAN NEEDS TO KNOW
(Novice Level)

Facilitator:
Peter Murray, PhD, RN
Founding Fellow, Centre for Health Informatics Research and Development
Chair, Special Interest Group in Nursing Informatics of the International Medical Informatics Association's (IMIA-NI)
Open Source Working Group

Panelists:
Patrick Evans, RN
Principal, Open Source Medical Solutions

Karl Oyri, CCRN, MNSc
Nurse Manager & Researcher,
The Interventional Centre, Rikshospitalet University Hospital Oslo, Norway President of the Norwegian Society for Medical Informatics

This panel is presented by three leading members of the Open Source Nursing Informatics (OSNI) and Open Source Health Informatics (IMIA-OSWG) Working Groups of the International Medical Informatics Association. They will provide an introduction to open source and free/libre software and address common issues that concern many nurses who may wish to gain a basic understanding of the software, such as its differences from proprietary software, licensing,

migration and support issues. Using the examples of the OSNI and IMIA OSWG Websites, a number of commonly available, open source productivity, Web development, and collaboration applications will be introduced. Each of the panelists will focus on several of the key issues, and the session will conclude with a general discussion of issues raised by the attendees. The primary aims of the panel discussion are to dispel myths and provide pointers to resources to support those interested in free/libre and open source software, and as such the exact format will be flexibly reactive to attendees' needs.

2D. DATA SUPPORT FOR MAGNET HOSPITALS   ■ WEB CAST ■
(All Levels)

Meg Johantgen, PhD, RN
Associate Professor, University of Maryland School of Nursing

Mary Tilbury, EdD, RN
Assistant Professor, University of Maryland School of Nursing

Agencies seeking Magnet status must provide evidence that they collect, analyze, and utilize data that support and guide clinical decision making. Accessing and analyzing these data are often seen as challenging to both clinicians and administrators. To improve or move towards the establishment of systems that support evidence-based practice, nursing must better utilize these data to monitor practice and identify compliance issues in relation to established performance standards and in the evaluation of new practices. This presentation illustrates how these data systems can be formulated and used to provide decision support and to respond to established Magnet expectations.

2E. ELDER TECHNOLOGIES: OPPORTUNITIES AND CHALLENGES
(All Levels)

Diane Skiba, PhD, FAAN, FACMI
Professor and Project Director
The I-Collaboratory, Partnerships in Learning
University of Colorado at Denver and Health Sciences Center

As the population ages, the use of technologies to support "aging in place" is gaining the attention of healthcare professionals. Smart technologies, sensors, telecare monitoring tools and wireless networks are being tested in a variety of research projects. Many of these research projects represent collaborative partnerships among vendors, academic institutions, and professional organizations, such as the Alzheimer's Association. This presentation will examine the opportunities and challenges as elder technologies begin to diffuse into homes and in long term care facilities.

2:15 – 3:15 PM
CONCURRENT SESSIONS

3A. PANEL DISCUSSION: PDAS IN EDUCATION AND PRACTICE:
UPDATES AND EVALUATION
(Advanced Level)

Facilitator:
Kathleen Charters, PhD, RN, CPHIMS
Assistant Professor and Nursing Informatics Program Director
University of Maryland School of Nursing

Panelists:
Yen-Chiao Lu, RN, PhD Candidate
Graduate Research Assistant, Human Factors and Technology Research University of Maryland School of Nursing

Thomasine Guberski, PhD, CRNP
Associate Professor, University of Maryland School of Nursing

This panel will review strategies for evaluating the use of PDAs in nursing curriculum and in nursing practice. Research methods and instruments will be presented, and challenges for data analysis will be discussed. A survey developed to determine what PDA software is used by Advanced Practice Nurses and an on-line survey to elicit nurses' acceptance of PDAs will be presented. The panelists will share lessons learned in the development, implementation and analysis of data collected from these surveys. The panelists will also address the challenges of evaluation of the integration of this technology into the curriculum.

3B. TOUR OF THE BALTIMORE VA MEDICAL CENTER WITH COMPUTERIZED PROVIDER ORDER ENTRY (CPOE) DEMONSTRATION

Janet Pierce, BSN, MSEd
Clinical Informatics Coordinator

Paul Fader, RPh, MHSA
Pharmacy Informatics Coordinator

Shawn Loftus, BS
Clinical Informatics Coordinator

Philip VanCamp, MEd
Clinical Informatics Coordinator

Note: Participants cannot register in advance for this session. Sign-up for the first 40 participants will be available at the Registration Desk Wednesday and Thursday.

Participants will be given a tour of the Baltimore VA Medical Center to see CPOE in action. Participants will be shown how order entry is used in an inpatient and outpatient setting. You will be able to speak to end users to determine the effects of provider order entry on everyday practice.

3C. CLASSIFICATION STANDARDS
(All Levels)

Virginia Saba, EdD, RN, FAAN, FACMI
Distinguished Scholar, Adjunct
Georgetown University, Washington, D.C.

This presentation provides an overview of nursing classification standards that have emerged as critical for their integration into the electronic health record (EHR) Systems. It focuses on the 13 classification systems recognized by the American Nurses Association (ANA). It provides information on the national and international standards organizations that impact on their uses. Finally, it will provide an example of one classification system – Clinical Care Classification (CCC) - on how it can be used to document and code a critical pathway, as well as generate reports that demonstrate how quality, safety, outcomes, and costs can be measured.

3D. PAY FOR PERFORMANCE: THE IMPORTANCE OF NURSING INFORMATICS LEADERSHIP   ■■ WEB CAST ■■
(All Levels)

Joyce Sensmeier, MS, RN, BC, CPHIMS
Director of Professional Services
Heathcare Information and Management Systems Society

Kathleen Kimmel, RN, MHA, CHE
Manager, Nursing Documentation Clinical Product
McKesson Provider Technologies

The premise behind Pay for Performance (P4P) is to reimburse providers for quality care and compliance with evidence-based outcomes. Documentation and reporting of compliance with evidence-based outcomes makes facility-wide clinical information systems an operational and financial imperative. This session will provide nurse informaticists with key information to guide and position their organizations to adapt to this new reimbursement model. P4P trends, major initiatives, models and future directions are discussed in this strategic as well as tactical session.

3E. MOVING EVIDENCE-BASED NURSING INTO EVERYDAY PRACTICE USING EXECUTABLE KNOWLEDGE TOOLS
(All Levels)

Judy Murphy, RN, BSN
Director of Application Development
Aurora Health Care

Karen Berg, RN, BSN,C
Director of Knowledge Integration
Cerner Corporation

Intelligent systems are needed to assist with complex decisions that professional nurses are faced with every day. This presentation will describe a unique partnership of business, health care provider, and academia whose purpose is to accelerate the use of knowledge in nursing practice through the use of technology. The development methodology for identification of evidence-based nursing content, the translation of this content into an electronic health record using executable knowledge tools, and outcome assessment capabilities will be described. The presentation will elaborate on the experiences in deploying the tools to nurses, the clinical data that are captured, aggregated and analyzed, and the outcome assessment, to not only define variance to the outcomes, but also identify new knowledge.

3:15 – 3:45
AFTERNOON BREAK

3:45 - 4:45 PM
CONCURRENT SESSIONS

Sessions 4A – 4E
PEER-REVIEWED PAPER PRESENTATIONS ■■ WEB CAST ■
Titles, authors and abstracts will be available in Conference Resource Guide and on Conference CD.

5:00 – 8:00 PM
EXHIBITOR EVENING AND TASTE OF BALTIMORE DINNER
Hosted by the University of Maryland School of Nursing
University of Maryland School of Nursing Lobby

Interact with dozens of exhibitors featuring products, services, and opportunities for informaticians and health care personnel. A delicious hot and cold buffet dinner including alcoholic refreshments will be served to all registered participants. Guests may attend for a fee of $30.

SIMULATION LABORATORIES TOURS AND DEMONSTRATIONS

Debra L. Spunt, MS, RN
Assistant Professor
Director, Clinical Stimulation Laboratories
University of Maryland School of Nursing

Dawn Foster, MS, RN, CCRN
Coordinator, Clinical Stimulation Laboratories
University of Maryland School of Nursing

The Clinical Simulations Laboratories will be used to demonstrate the application of clinical simulation to nursing education of all levels. Participants will see demonstrations in the basic, health assessment, and specialty labs. These 45-minute tours will start on the hour at 5:00, 6:00, and 7:00 PM. Interested participants can meet on Floor 2 near the elevators.

FRIDAY, JULY 22

8:30 – 9:00 AM
CONTINENTAL BREAKFAST
University of Maryland School of Nursing Lobby

9:00 – 10:15 AM
DISTINGUISHED LECTURER   ■■ WEB CAST ■■

PERSONAL HEALTH RECORDS:
WHOSE RIGHT? WHOSE RESPONSIBILITY? WHOSE COST?

Patricia Flatley Brennan, RN, PhD, FAAN
Moehlman Bascom Professor
School of Nursing and College of Engineering
University of Wisconsin - Madison

Personal health records (PHRs) complement clinical documentation by providing patients with access to subsets of their clinical records and with the health information management tools needed for self-care and effective health care utilization. PHRs first appeared in the 1970's with the introduction of a patient-controlled record at the Maternity Center, a nurse-managed community birthing center in New York. Evidence supports the acceptability and benefits of PHRs to both patients and their health care providers. Thirty years later, PHRs may become a reality due to the growing recognition that patient-centered care facilitates cost-effective outcomes and the federal commitment to a national health information Infrastructure. Yet ensuring that PHRs serve *both* patients and the health care system requires resolution of three key issues: the rights of access, control, and utilization of PHRs; the accountability for accurate data and persistent availability of the PHR; and the development of comprehensive, sustainable cost strategies.

10:15 - 10:45 AM
MORNING BREAK

10:45 – 11:45 AM
CONCURRENT SESSIONS

Sessions 5A – 5E
PEER REVIEWED PAPER PRESENTATIONS   ■■ WEB CAST ■■
Titles, authors and abstracts will be available in the conference resource guide and on conference CD.

12:00 – 2:30 PM
HOSTED BUFFET LUNCH AND POSTER SESSION

2:30 – 3:30 PM
CONCURRENT SESSIONS

6A. PANEL DISCUSSION: SHOW ME THE OUTCOMES! METHODS TO ASSESS THE EFFECTS OF CLINICAL INFORMATION SYSTEMS (CIS) IMPLEMENTATION
(Advanced Level)

Facilitator:
Eun-Shim Nahm, PhD, RN
Assistant Professor
University of Maryland School of Nursing

Panelists:

Brian Gugerty, DNS, RN, Assistant Professor, University of Maryland School of Nursing

Danny Ho, MD, Human Factors Research and Technology Group, University of Maryland Medical System

Jacob Seagull, PhD, MS, Human Factors Research and Technology Group, University of Maryland Medical System

Vinay Vaidya, MD, Pediatric ICU, University of Maryland Medical System

Clinical Information Systems (CISs) are a critical component in the current health care environment. The substantial costs of implementing hospital-wide CISs require organizations to closely evaluate the benefits of such systems by assessing the effects of the implementation. Methodologies for this assessment vary depending on many factors, including the purpose of the systems and disciplines. In this session, a multidisciplinary team of informatics researchers and clinicians will: (1) briefly discuss current status of knowledge in measuring the effects of CISs using selected outcome domains and (2) provide recommendations with practical applications.

6B. PANEL DISCUSSION: TECHNOLOGY'S ROLE IN ADDRESSING MARYLAND'S NURSING SHORTAGE – AN UPDATE ON INNOVATIONS AND EXAMPLES

(All Levels)

Facilitator:

Susan K. Newbold, MS, RNBC, FAAN, FHIMSS, Doctoral Candidate, University of Maryland School of Nursing

Panelists:

Barbara Covington, PhD, RN, Associate Dean of Information and Learning Technologies and Associate Professor University of Maryland School of Nursing

Maria V. Koszalka, EdD, RN, Vice President, Patient Care Services, Bayview Medical Center

Dana Womack, MS, RN, Director of Nursing Technologies Innovative Patterns Corp., Westminster, Md

This session will provide a presentation and discussion of the updated report of the Technology Workgroup, Maryland Statewide Commission on the Crisis in Nursing. The Technology Survey conducted in Maryland will be presented. Both reports have applicability to all states.

6C. MERGING NURSING LANGUAGES AND REIMBURSEMENT USING CODES

(Advanced Level)

Jean Arnold, EdD, RN, BC
Professor Emerita in Nursing and Nursing Informatics
Rutgers College of Nursing

Nursing languages have been recognized by the American Nurses Association since the 1990's. Nursing languages have the potential to be used for nursing reimbursement, but methodologies for doing so have been slow to develop. The presentation will examine selected nursing languages and the feasibility of using them for reimbursement of nursing practice using accepted coding systems in the United States. An example of cross mapping a nursing language to the International Classification of Disease will be presented. Implications: 1) advanced practice nurses need to begin using nursing languages for reimbursement of their nursing services. 2) Nurses need to work with legislators to develop health policies that allow direct reimbursement for nursing practice.

6D. INTEGRATION OF EVIDENCE-BASED CONTENT IN THE PROCESS OF CARE   ▪▪ WEB CAST ▪▪

(All Levels)

Ida Androwich, PhD, RNC, FAAN
Professor and Director, Health Systems Management
Marcella Niehoff School of Nursing, Loyola University, Chicago
Patricia Button, EdD, RN
Director/Nursing Content, Zynx Health, Inc.

This presentation will address the issues involved in identifying evidence- based nursing content, structuring and coding the content, and integrating the content in a clinical information system for use by clinicians at the point of care.

6E. DEVELOPMENT OF A REGIONAL HEALTH INFORMATION ORGANIZATION (RHIO): IMPACT ON PATIENT SAFETY A CASE STUDY
(All Levels)

Scott Erdley, DNS, RN
Clinical Assistant Professor
University at Buffalo School of Nursing, State University of New York

This case study covers initiation and development of multiple efforts towards a regional health information organization (RHIO). Roles, responsibilities, and strategies related to the various participants and initiative goals are addressed. The potential for this project to impact patient safety will be covered, as will lessons learned.

3:30 – 4:00 PM
AFTERNOON BREAK

4:00 – 5:00 PM
CONCURRENT SESSIONS

7A. MULTI-USAGE DRUG TERMINOLOGY: MAKING SENSE OF THE TOWER OF MEDICATION TERMINOLOGY BABBLE AND IV SMART PUMP LAB SEGMENT WITH PANEL DISCUSSION
(All Levels)
Note: This presentation will run from 4:00 PM - 5:30 PM and includes both a didactic session and a panel session.

John Poikonen, PharmD
Medication Safety Pharmacist,
Office of Patient Safety, Partners Healthcare Corp, Boston MA

This presentation will examine the increase in integration of nursing information, electronic ordering, and documentation systems. It will discuss studies on the effectiveness of nursing and medication decision support and problems aggregating drug-related data, paying particular attention to problems related to lack of standardization between venues.

Lab/Panel Segment
Facilitator:
Sandi Mitchell, RPh, MSIS
Project Leader, Medication Use Information
Department of Pharmacy, The Johns Hopkins Hospital

Panelists:
Mike Veltri, PharmD, Clinical Specialist in Pediatric ICU, Johns Hopkins Children's Center

Andy Seger, PharmD, Partners Healthcare Corp, Boston MA

Poppy Bass, RN, Nursing Technology and Practice Manager, The Hospital of the University of Pennsylvania in Philadelphia

Using a hands-on workshop format, the panel will present "smart i.v. pump" technology. This technology uses user–defined alerts, drug lists, and standardized concentrations to improve safety. Attendees will have an opportunity to program and use the pumps in a controlled environment.
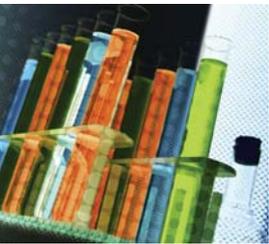
7B. KEY CONSIDERATIONS OF DECISION SUPPORT INFUSION TECHNOLOGY
(All Levels)

Doris Neesim, BScPhm, RPh, MA
Consultant, Health Care Informatics

The purpose of this presentation is to provide an overview of infusion devices with decision support (i.e. "smart pumps"), and how these devices act as technology "enablers" for enhancing medication safety. Integration considerations between the infusion device and the health-system's electronic patient records, CPOE, and other enabling technologies will be presented, as well as the implementation and evaluation considerations in guiding improvements in practice.

7C. SNOMED CT: THE TERMINOLOGY FOR HEALTHCARE
(All Levels)

Debra J. Konicek, RN, MSN, BC
Terminology Manager, Nursing
SNOMED® International College of American Pathologists

SNOMED CT®, comprehensive, global healthcare terminology includes nursing concepts from a variety of sources including ANA-recognized nursing vocabularies. Nursing vocabulary developers have created these terminologies with the purpose of providing a standardized way to document the nursing process: nursing assessments, diagnoses, interventions, goals and outcomes. The collaborative work toward the integration and convergence of nursing concepts in SNOMED CT will be highlighted. This presentation will include an overview of the recent initiatives of the SNOMED Nursing Working Group. The relationship between SNOMED CT and various national and international terminology standards efforts will be discussed.

7D. TRANSITIONING INFORMATION SYSTEMS TO ADDRESS CONTEMPORARY INFORMATICS NEEDS
(Novice Level)

Carol Romano, PhD, RN, BC, CNAA, FAAN
Deputy Chief, Department of Clinical Research Informatics
National Institutes of Health

This session will explore the history of using a 28-year-old medical information system and discuss the incentives for transitioning to the next generation of clinical research information systems. Benefits, regulations, and functional requirements will be discussed as drivers for change. An information architecture for clinical research will be presented as the means for speeding recovery across the health care continuum.

7E. ASSESSING AND IMPLEMENTING BAR-CODE AND POSITIVE PATIENT ID TECHNOLOGY
■■ **WEB CAST** ■■
(All Levels)

Ginny Meadows, RN, BS
Product Director
McKesson Provider Technologies

While the 1999 IOM report was a wake-up call for healthcare, broad-scale adoption of technology to prevent medication errors still remains remarkably low. And while patient safety - especially medication safety - continues to dominate headlines and concerns of healthcare professionals and consumers, the real drivers for change in patient safety appear to be coming from regulatory agencies. As regulatory requirements begin to drive broad-scale, bar-code technology implementations, this presentation will help healthcare organizations understand the use and benefits of technology for positive patient identification from bar coding through RFID, how an organization can assess technology readiness, and other technologies that can be combined as part of an enterprise-wide patient safety strategy. This presentation will also explore how integration with other clinical systems enables maximum safety benefits and how to extend technology investments.

7:00 – 9:00 PM
CARING NETWORKING DINNER in Baltimore's Little Italy
This dinner is self- paid and is open to all interested participants.
There is separate registration for this dinner. For information and to register, contact: Susan Newbold at
snewbold@umaryland.edu.

SATURDAY, JULY 23

8:00 – 9:00 AM
FULL HOT BREAKFAST
University of Maryland School of Nursing Lobby

9:00 – 10:00 AM
PLENARY   ■■ WEB CAST ■■
Auditorium, Room 130

IMPLEMENTATION:
STRATEGIES FOR SELECTING THE BEST STARTING POINT

Nancy Lorenzi, PhD
Professor of Biomedical Informatics and
Assistant Vice Chancellor for Health Affairs
Vanderbilt University Medical Center

Fifty plus percent of information system projects fail. The failure may not be one hundred percent shutdown of the system, but it may mean that the system is not used to its full intention and capability. Most of the failures are not victims of flawed technology but rather organizational and people-related issues. One way to increase the probability of success is to find "the best place" to begin your project. This presentation will present one model for that site selection.

10:00 – 10:15 AM
MORNING BREAK

10:15 – 11:00 AM
PLENARY   ■■ WEB CAST ■■
Auditorium, Room 130

Lessons from the Field: THE TEN TOP REASONS WHY IMPLEMENTATIONS OF CLINICAL SYSTEMS DERAIL

Charlotte Weaver, PhD, RN
Vice President, Chief Nursing Officer
Cerner Corporation

You have taken your Project Management class 101, read the book, mastered critical paths and can do your MS project plan. You launch your implementation project for core clinical systems, get well into the project, and realize the stars are not aligning. Readiness and adoption may be at risk, dates in jeopardy, rebellion spreading in the ranks, and negative energy is causing teams to implode. Rarely do projects go as initially planned. Surprises happen along the way and some organizations are able to meet these challenges, overcome them, and go on to successfully convert while other organizations do a 40-year wander in the desert. This presentation will describe the most common set of cultural and organizational phenomena that occur in hospitals implementations of clinical systems as well as strategies to add to your project management tool kit.

11:00 – 12:30
PANEL DISCUSSION   ■■ WEB CAST ■■
Auditorium, Room 130

INNOVATIONS IMPACTING NURSING INFORMATICS

Facilitator:
Judy Murphy, RN, BSN
Director of Application Development
Aurora Health Care

Panelists:

Diane Carr
Associate Executive Director, Healthcare Information Systems
Queens Health Network

Patsy Sublett, MSN, RN-C
Clinical Systems Manager, Management Information Systems
Danville Regional Health System

Christine Galen, RN, MSN
Manager of Clinical Solutions
Vocera Communications

As demands for safer patient care increase, what innovations exist to help nurses provide care more effectively, and yet more efficiently? This panel will address three of these innovations. Hear how smartcards can enable patients to easily give their medical information to providers at the point of care and allow sharing of patient information across organizational boundaries to improve health. Find out how the Vocera communication system permits caregivers to instantly receive patient bedside notifications and respond more quickly to patient needs. Listen to the value and patient safety impact that is enabled when using barcoding for patient and medication identification during the medication administration process.

12:30 – 1:00
CONCLUDING REMARKS AND RAFFLE
Auditorium, Room 130

The items to be raffled include but are not limited to: A state-of-the-art PDA, several free registrations to SINI 06, University of Maryland apparel, gift certificates to *Computers, Informatics, and Nursing Journal* and several books from Springer-Verlag. Note: Participants must be present to win.

TIPS FOR MAKING THE MOST OF THIS CONFERENCE:

- Remember to pick up your conference daily announcements at the registration table each day for room changes, reminders, and updates.

- Please sign in each day so that we can reach you in case of emergencies and to qualify you for continuing education.

- Take advantage of our social and exhibitor events to network and relax.

- Please keep in mind the temperature of the rooms may vary and tend to be cool when the air conditioning is running. Please bring a light jacket or sweater to insure your comfort. All meetings are business casual.

Emergency Only: Phone number for your family and staff: 410-706-0895.

Disclaimer: The conference hosts reserve the right to substitute speakers or topics under extreme unforeseen circumstances.

Refund Policy: A refund on received check or credit card, less a $75 processing fee, will be available until 7/1/05. The School of Nursing must receive a written request by hard copy, fax, or email. No refunds will be available after 7/1/05.

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Associate Dean for Academic Affairs and Associate
Professor
University of Maryland School of Nursing

Planning Committee

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Assistant Professor and Nursing Informatics Program
Director
Department of Organizational Systems and Adult Health
University of Maryland School of Nursing

Sharon Coleman, MS, RN
Enterprise System Manager for Clinical Systems
VA Office of Information, Washington, D.C.

Gail Doerr, MS
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Rosemary Kennedy, MBA, RN
Chief Nursing Informatics Officer
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Vice President, Patient Care Services
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Eclipsys Corporation

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Summer Institute in Nursing Informatics 2005 Registration

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Please check one or more, if applicable.

- ☐ I am a peer-reviewed paper presenter
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- ☐ I have been awarded an Informatics 2005 scholarship
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Fax or mail this form *with p ayment* to:

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Office of Continuing Education, Room 416
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Baltimore, MD 21201-1579 **Phone:** 410-706-3767 **Fax:** 410-706-0018
For information: informatics@son.umaryland.edu

Photography

☐ Please check for approval to be photographed within the conference. The University of Maryland School of Nursing has arranged for a photographer to be present throughout the conference. We may use these photographs to publicize the event or the School, produce related literature and products for public release. Participants who are opposed to being photographed must notify the photographer or conference staff if their picture is taken.

Participant List

☐ Please check here if you do NOT want your demographic information to be included in the shared participant list.

Summer Institute in Nursing Informatics 2005 (SINI)
July 20, 21, 22, and 23

☐ SINI Registration (postmarked on or before 7/1/05)	$595
☐ SINI Late and On-Site Registration (postmarked after 7/1/05)	$650
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Check which day: ☐ Wed ☐ Thurs ☐ Fri	$295
☐ UMB Faculty, Staff, and Full-Time Students*	$195
☐ UMB Faculty and Full-Time Students* One Day	
Check which day: ☐ Wed ☐ Thurs ☐ Fri	$75
☐ UMB SON Alumni (postmarked on or before 7/1/05)	$495
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*Students must present student ID at check-in

Pre-Conferences

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☐ Project Management postmarked on or before 7/1/05	$575
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Weekend Immersion in Nursing Informatics (WINI)

☐ WINI postmarked on or before 7/1/05	$575
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☐ Web Cast postmarked on or before 7/1/05	$250
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Social Events

☐ I will attend the *Social Evening at the 1840s Ballroom* (Free with SINI Registration)	$0
☐ Guest Fee for *Social Evening at the 1840s Ballroom* (no children please)	$75
☐ I will attend the *Tastes of Baltimore Exhibitor Dinner* (Free with SINI Registration)	$0
☐ Guest Fee for *Tastes of Baltimore Exhibitor Dinner* (no children please)	$30

TOTAL PAYMENT ENCLOSED　　　_____

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- ☐ Check enclosed (payable to University of Maryland School of Nursing)
- ☐ Purchase Order. Enclose copy of P.O.

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Preferred Concurrent Sessions

Please check preferences for concurrent sessions. This is not preregistration for sessions but will assist us in planning for room size.

THURSDAY JULY 21

10:00 – 11:00 AM   **CONCURRENT SESSIONS** *(Please Check One)*

☐ 1A. Knowledge Management and the EHR: Where Do I Begin? (Advanced)

☐ 1B. Technology: Its Current and Future Impact on Patient Safety, Culture, and Process Towards
       Transforming Healthcare (All levels)

☐ 1C. Using Clinical Data: Sink, Float or Paddle Fast (Advanced)

☐ 1D. Creating a Vision of Excellence: A Framework When Implementing Healthcare IT (Advanced)

☐ 1E. Knowledge Portals: Supporting Evidence-Based Practice (All Levels)

1:00 – 2:00 PM   **CONCURRENT SESSIONS** *(Please Check One)*

☐ 2A. Nursing Documentation Assessment Project: An Evidence-Based Approach (All Levels)

☐ 2B. Computerized Provider Order Entry (CPOE) (All Levels)

☐ 2C. PANEL: Open Source and Free Software: What Every Nurse Informatician Needs to Know (Novice Level)

☐ 2D. Data Support for Magnet Hospitals (All Levels)

☐ 2E. Elder Technologies: Opportunities and Challenges (All Levels)

2:15 – 3:15 PM   **CONCURRENT SESSIONS** *(Please Check One)*

☐ 3A. PANEL: PDAs in Education and Practice: Updates and Evaluation (Advanced)

   3B. Tour of Baltimore VA Medical Center (All Levels) *Register on-site*

☐ 3C. Classification Standards (All Levels)

☐ 3D. Pay for Performance: The Importance of Nursing Informatics Leadership (All Levels)

☐ 3E. Moving Evidence-Based Nursing Into Everyday Practice Using Executable Knowledge Tools (All Levels)

3:45 - 4:45 PM   **CONCURRENT SESSIONS**

   Sessions 4A – 4 E   10 Peer-Reviewed Paper Presentations – Choose on-site
   Titles, authors and abstracts will be available in conference resource guide and on conference CD.

Friday July 22

10:45 – 11:45 AM   **CONCURRENT SESSIONS**

   Sessions 5A – 5E   10 Peer-Reviewed Paper Presentations – Choose on-site
   Titles, authors and abstracts will be available in conference resource guide and on conference CD.

2:30 – 3:30 PM   **CONCURRENT SESSIONS** *(Please Check One)*

☐ 6A. PANEL: Show Me the Outcomes! Methods to Assess The Effects of Clinical Information Systems (CISs) Implementation (Advanced)

☐ 6B. PANEL: Technology's Role in Addressing Maryland's Nursing Shortage: An Update on Innovations and Examples (All Levels)

☐ 6C. Merging Nursing Languages and Reimbursement Using Codes (Advanced)

☐ 6D. Integration of Evidence-Based Content in the Process of Care (All Levels)

☐ 6E. Development of a Regional Health Information Organization (RHIO): Impact on Patient Safety (All Levels)

4:00 – 5:00 PM   **CONCURRENT SESSIONS** *(Please Check One)*

☐ 7A. Multi-Usage Drug Terminology: Making Sense of the Tower of Medication Terminology Babble and IV Smart Pump
   Lab Segment with Panel Discussion
   Note: This presentation will run from 4 – 5:30 and includes both a didactic session and panel/lab session. (All Levels)

☐ 7B. Key Considerations of Decision Support Infusion Technology (All Levels)

☐ 7C. SNOMED CT: The Terminology for Healthcare (All Levels)

☐ 7D. Transitioning Information Systems to Address Contemporary Informatics Needs (Novice)

☐ 7E. Assessing and Implementing Bar-Code and Positive Patient ID Technology (All Levels)

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