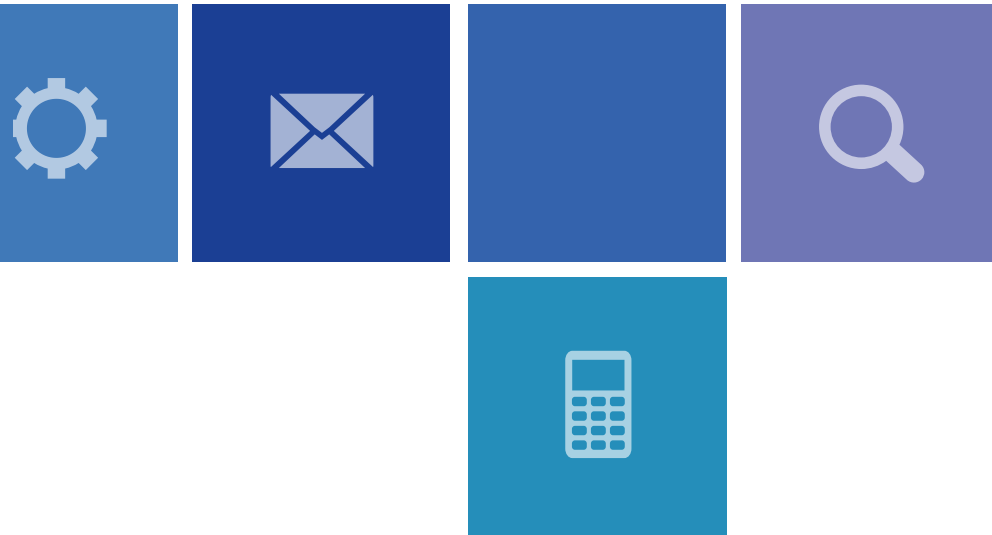# SINI2017

27th Summer Institute in Nursing Informatics

Clinical Practice, Health, and the Internet of Things

July 12-14, 2017
Preconferences: July 11, 2017

UNIVERSITY *of* MARYLAND
SCHOOL OF NURSING

CONTENTS

SCHEDULE OF EVENTS

Welcome
to SINI 2017...

Dear Participant,

The University of Maryland School of Nursing (UMSON) and the 2017 Summer Institute in Nursing Informatics (SINI) Planning Committee join in welcoming you to the 27th annual institute. This year's theme, "Clinical Practice, Health and the Internet of Things," examines how technology and the internet of things (IoT) can improve health management and patient engagement, personalize care, inform clinical decision-making, and address the complexities of health care. You will find interesting plenary sessions with national leaders in the field of informatics, peer-reviewed presenters and posters and a deep dive into big data challenges related to population health and health information exchange.

We are pleased to provide you with this conference program, which contains vital information to help you navigate through each day of SINI. It includes a schedule of invited and peer-reviewed speaker sessions, poster presentations, social and networking events, special tours, and highlights of Baltimore. We offer a "Lunch and Learn" session where select vendors will present information related to health IT, conduct a demonstration, and distribute materials on new and exciting products during lunch. We ask interested participants to register for the Lunch and Learn as space is limited. (See registration desk for details.)

We want to acknowledge and thank our sponsors this year: University of Maryland Medical Center, University of Maryland Medical System, Infor Healthcare, and Sigma Theta Tau International, the Honor Society of Nursing, Pi Chapter. The support of these organizations is invaluable for keeping SINI dynamic, relevant, and affordable.

Mark your calendars for SINI 2018: "Balancing Digital Demands: Access, Use, Security." Pre-conferences providing intensive courses on selected topics will be held July 17, 2018. The main conference with full schedule of speakers and events will be offered July 18-20, 2018.

We are delighted you are here! Together we will generate new ideas and collaborations. Thank you for participating in this exciting event.

Warm regards,

Charlotte Seckman, PhD, RN-BC, CNE
Associate Professor, Nursing Informatics
University of Maryland School of Nursing
2017 SINI Program Chair

Master the essentials of informatics and explore technologies that enhance health, the health care environment, and patient engagement in a modern world. Known for providing unique networking opportunities with experts and leaders in informatics, SINI will introduce you to innovations leading and supporting practice transformation.

The focus of this year's conference is the integration of the Internet of Things in clinical practice to improve health management and outcomes at the system, population, and individual level.

PRECONFERENCE WORKSHOPS

There are two full-day preconferences offered on Tuesday, July 11, 2017 which include:
Nursing Informatics Certification Review
Healthcare Analytics Workshop - Essentials and Pragmatic Application in Nursing

CONFERENCE OBJECTIVES

At the end of this conference, learners will be able to:
• explain the essentials of nursing informatics, including a perspective on the IoT
• describe how the IoT helps organizations improve health management, personalize care, and enhance patient engagement
• explore the impact of patient-generated data on patient safety and clinical decision-making
• analyze big data challenges related to population health and health information exchange.

TRACKS

SINI 2017 features four educational tracks, including a special track designed specifically for the nursing informatics novice.

Track A: Essentials of Nursing Informatics in the Age of the Internet of Things
This track is designed for attendees with less than two years of experience in the health care informatics field and introduces essential components of clinical informatics, including eHealth/mHealth.

Track B: Integrating the Internet of Things Into Health Management, Personalized Care, and Patient Engagement
This track considers how informaticians can help clinicians use data generated by patient devices to promote collaboration with patients in health management, personalize care in relation to patient behavior and health parameters, and motivate patients to take control of their health.

Track C: Patient Safety, Clinical Decision-Making, and Patient-Generated Data
This track examines the impact (positive/negative) of using patient-generated data as a component of clinical decision-making on patient safety and health outcomes.

Track D: Big Data Challenges Related to Population Health and Health Information Exchange
Achieving a deeper understanding of individual and population health requires integration of not only care event data but also biopsychosocial and consumer-generated data. For participants with an understanding of big data, population health, or information exchange, this expert, participatory track will provide examples and direction for incorporating consumer-generated data into useful tools with a consideration of return on investment.

POSTER SESSION

The Poster Session will provide further opportunity to explore and discuss peer-reviewed reports with authors. This session will take place from 4:15-5:15 p.m. on Thursday, July 13.

Welcome to the University of Maryland School of Nursing!

CONTINUING EDUCATION FOR NURSES

In-person: 15.5 contact hours
Webcast: 12.75 contact hours
Preconference: 6.5 contact hours

Nurses may receive up to 15.5 contact hours for successful completion of the main conference activities and 6.5 contact hours if attending a preconference. Successful completion requires participants to attend designated CE activity sessions, complete and submit the attendance verification form (provided in program packet) for CE sessions attended, and complete the online SINI program evaluation.

Webcast attendees may receive up to 12.75 hours by attending Webcast designated CE activity sessions; submitting completed verification form via email; and completing the online SINI program evaluation.

- Tuesday, July 11: Preconference 6.5 CE
- Wednesday, July 12: 6.75 CE/Webcast 5.00 CE
- Thursday, July 13: 5.25 CE/ Webcast 4.25 CE
- Friday, July 14: 3.50 CE/ Webcast 3.50 CE

Within two to four weeks of submitting your completed documents, UMSON will email you a CE certificate. All documents and requests for CE certificates must be received within 90 days of this activity.

UMSON is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

CONFLICT OF INTEREST DISCLOSURES

UMSON requires that all individuals involved in the planning and presentation of CE 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 12: 8 a.m.-6:45 p.m.
Thursday, July 13: 8 a.m.-6 p.m.
Friday, July 14: 8 a.m.-1 p.m.

ACCESSING THE WIRELESS NETWORK

UMSON is equipped with a wireless network, which is accessible from anywhere in the building while 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$ing

Within Southern Management Corporation Campus Center:
Network Name: UM Conf
User Name: SMCConf
Password: SMCGuest

ACCESSING PRESENTATIONS ONLINE

Log on to the 2017 SINI website:
www.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 20, 2017.

LIVE TWEETING AND 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 #SINI2017.

VOLUNTEERS

SINI conference planners are grateful for our volunteers, who are wearing a VOLUNTEER ribbon on their name badges. They are here to help and will be glad to answer questions about SINI or UMSON.

Please visit the registration desk for any questions.

Conference Planning Committee

PROGRAM CHAIR

Charlotte Seckman, PhD, RN-BC, CNE
Associate Professor, Nursing Informatics
University of Maryland School of Nursing

COMMITTEE MEMBERS

Patricia Abbott, PhD, RN, FAAN
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University of Michigan School of Nursing

Marion Ball, EdD
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Healthcare and Life Sciences Institute
IBM Research
Professor Emerita
Johns Hopkins University School of Nursing

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Product Management/Clinical Director
McKesson

Marisa L. Wilson, DNSc, MHSc, RN-BC
Associate Professor and Specialty Track Coordinator, Nursing Informatics
University of Alabama at Birmingham School of Nursing

Networking Events

Meet with your colleagues for these exciting networking opportunities and learn about the latest services and technology in nursing informatics.

Welcome Luncheon
with round table discussions on hot topics

Wednesday, July 12
noon - 1:15 p.m.

Southern Management
Corporation Campus Center

Networking Reception
with food, and networking

Wednesday, July 12
5:15 - 6:45 p.m.

Southern Management
Corporation Campus Center

Buffet Luncheon
Thursday, July 13 • noon - 1:30 p.m.
University of Maryland School of Nursing

Lunch and Learn
Thursday, July 13 • noon - 1:30 p.m.
Southern Management
Corporation Campus Center

Tour of University of Maryland Medical Center Shock Trauma (10 people only)
Tours of UMSON Simulation Laboratories and Living History Museum

Wednesday, July 12	Thursday, July 13
8:15-9 a.m. and 5:15-6:45 p.m.	8:30-9 a.m. and 4:14-5:15 p.m.

Tweet your conference experience at
#SINI2017

KEYNOTE SPEAKER

ROSALIND PICARD, ScD, FIEEE

Director of Affective Computing Research
Faulty Chair, MIT Mind+Hand+Heart
Professor, MIT Media Laboratory

Wearable and Non-Contact Sensors and Analytics to Improve Health

Rosalind W. Picard, ScD, FIEEE, is founder and director of the Affective Computing Research Group at the Massachusetts Institute of Technology (MIT) Media Laboratory; faculty chair of MIT's Mind+Hand+Heart initiative; co-founder of Affectiva, which delivers technology to help measure and communicate emotion through facial expression analysis, and co-founder and Chief Scientist of Empatica, improving lives with clinical quality wearable sensors and analytics. Picard is the author of more than 250 peer-reviewed scientific articles. She is internationally known for authoring the book, *Affective Computing*, which helped launch the field by that name. She holds a bachelor's degree in electrical engineering from the Georgia Institute of Technology and masters and doctoral degrees in electrical engineering and computer science from MIT. In 2005, she was named a fellow of the IEEE for contributions to image and video analysis and affective computing.

ENDNOTE SPEAKER

DIANE F. MAHONEY, PhD, RN, FAAN

Jacques Mohr Geriatric Nursing Research Professor
Director of Gerontechnology R&D
MGH Institute of Health Professions, School of Nursing

Nursense, Innovation, and You: Engaging Geriatric Patients and Care Givers With Technology

Diane F. Mahoney, PhD, RN, FAAN, has been a pioneer in the field of gerontechnology, developing technology based applications for older adults and their caregivers since the 1990s. She has been a principal investigation (PI) on 18 intervention projects funded by the National Institutes of Health (NIH), the Department of Commerce, Alzheimer's Association and several other foundations. She was the only nurse PI to participate in the REACH project, NIH's largest Alzheimer's caregivers multisite intervention project, wherein she developed an innovative automated caregiver support system that compared favorably with in-person counseling to reduce caregiver distress. Mahoney has been widely published in the fields of nursing, technology, medicine, gerontology, and engineering. She has won numerous awards including the International Society of Gerontechnology's 2016 Cutting Edge Award for her context-aware, interactive-sensored "Smart Dresser" for people with cognitive impairment. She is a fellow in both the Gerontological Society of America and the American Academy of Nursing.

PLENARY SPEAKER

CHIS GIBBONS, MD, MPH

Federal Communications Commission
CEO, The Greystone Group

Digital Health, The Underserved and Health Innovation

Chris Gibbons, MD, MPH, is the chief health innovation adviser to the Federal Communications Commission's Connect2Health Task Force. He is also the founder and CEO of The Greystone Group, a technology research, innovation, and incubation company. Gibbons is an adjunct assistant professor at Johns Hopkins University. Previously, Gibbons was an associate director of the Johns Hopkins Urban Health Institute, and an assistant professor of Medicine, Public Health and Health Informatics at Johns Hopkins University. He is a published author and international speaker who has written more than 75 books, book chapters, research manuscripts, monographs and technical reports. Gibbons obtained his medical degree from the University of Alabama and then completed residency training in preventive medicine, a basic science research fellowship, and a master's degree in public health all from Johns Hopkins.

Dina Demner-Fushman, MD, PhD

Staff Scientist, Lister Hill National Center for Biomedical Communications
U.S. National Library of Medicine

Consumer Health, the Internet and Decision-Making

Dina Demner-Fushman, MD, PhD, leads research in information retrieval and natural language processing; providing clinical decision support through linking evidence (text and images) to patients' data; answering clinical and consumer health questions; and extracting information from clinical text. Demner-Fushman is a fellow of the American College of Medical Informatics, an associate editor of the *Journal of the American Medical Informatics Association*, and a founding member of the Association for Computational Linguistics Special Interest Group on biomedical natural language processing.

David E. Newman-Toker, MD, PhD

Professor and Director, Armstrong Institute Center for Diagnostic Excellence
Johns Hopkins University School of Medicine

The 5 Worst and 5 Best Ideas for Health Informatics to Improve Diagnostic Safety and Quality

Dr. David E. Newman-Toker, MD, PhD, is an internationally-recognized leader in neuro-otology, acute stroke diagnosis, and the study of diagnostic errors. He completed his undergraduate studies at Yale University, medical degree at the University of Pennsylvania, residency training at Harvard University, and doctoral degree in clinical research methods at the Johns Hopkins Bloomberg School of Public Health. He is professor of neurology, otolaryngology, and emergency medicine at the Johns Hopkins University School of Medicine and serves as director of the Division of Neuro-Visual & Vestibular Disorders in the Department of Neurology and Director of the Armstrong Institute Center for Diagnostic Excellence. Newman-Toker's clinical interest is in diagnosis of acute disorders affecting the brainstem and cranial nerves, particularly stroke. He is a founding member of the Society to Improve Diagnosis in Medicine and is active in the national movement to eliminate patient harms from diagnostic error.
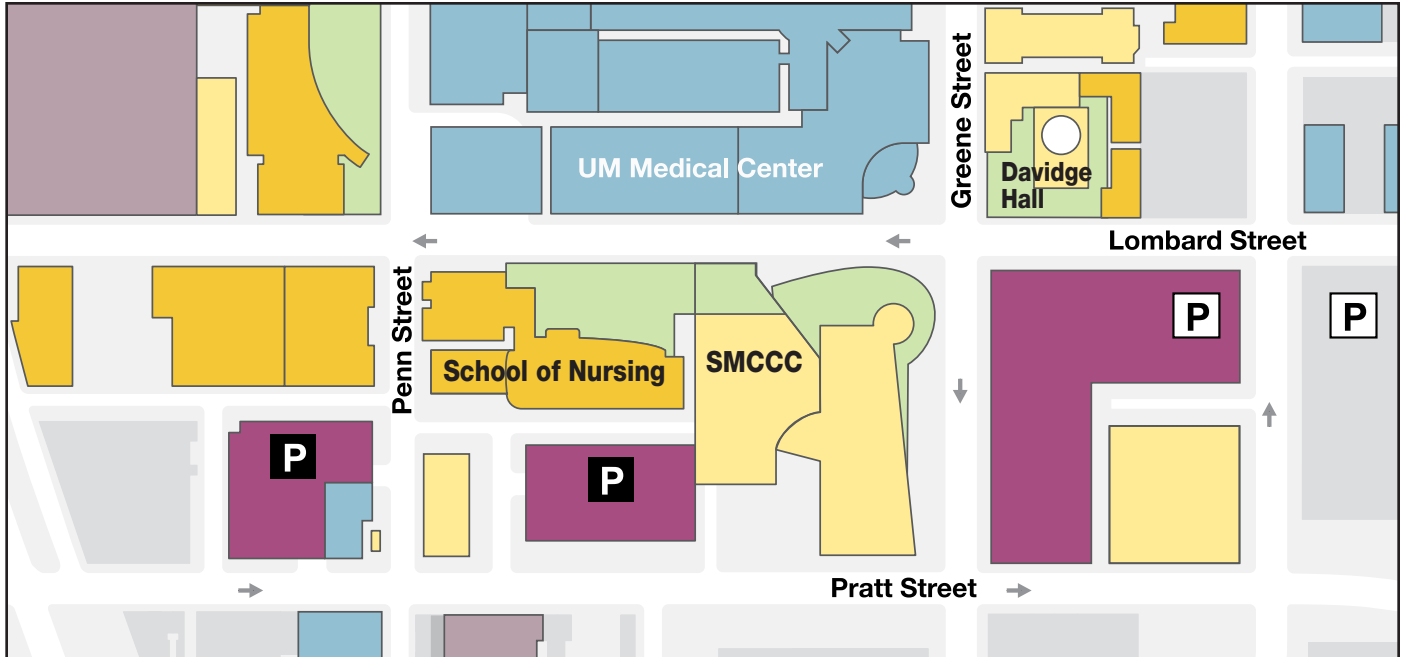
Malinda Peeples, MS, RN, CDE

Vice President Clinical Advocacy
Welldoc – Mobile DM Management

Leveraging the Power of Digital Health Data for Chronic Disease

Malinda Peeples, MS, RN, CDE, serves as vice president for clinical advocacy at WellDoc, where she oversees the clinical outreach program, grant and research activities, and professional organization activities. WellDoc is a health care company leveraging the mobile technology platform to create clinical and behavioral solutions that impact health and economic outcomes for chronic disease management. Peeples also serves as adjunct assistant faculty, Division of Healthcare Informatics, Johns Hopkins School of Medicine. She received a bachelor's degree in nursing from the University of North Carolina in Charlotte and earned a master's degree in nursing informatics from the University of Maryland School of Nursing. She also earned a master's degree and completed a post-graduate research fellowship in health sciences informatics from The Johns Hopkins School of Medicine in 2007.

School of Nursing Campus Map

Preconferences

Tuesday • July 11, 2017

	Preconferences	
8:15 a.m. - 5 p.m.	**Nursing Informatics Certification Review (6.5 CE)** **Charlotte A. Seckman, PhD, RN-BC, CNE** Associate Professor, Nursing Informatics University of Maryland School of Nursing **Marisa L. Wilson, DNSc, MHSc, CPHIMS, RN-BC** Associate Professor and Specialty Track Coordinator, Nursing Informatics University of Alabama at Birmingham School of Nursing	Room 255
8:15 a.m. - 5 p.m.	**Health Care Analytics Workshop: Essentials and Pragmatic Application in Nursing (6.5 CE)** **Eun-Shim Nahm, PhD, RN, FAAN** Professor and Program Director, Nursing Informatics University of Maryland School of Nursing **Kristin L. Seidl, PhD, RN** Clinical Data Scientist University of Maryland Medical Center Assistant Professor University of Maryland School of Nursing **Cyd Charisse Villalba, MS, RN-BC, PMP** Project Lead	Analytics New-York Presbyterian Hospital	Room 245

Continuing Education
Participants may receive 6.5 contact hour(s) upon successful completion of one of these preconference educational activities.

Conference Program

The SINI 2017 Program is color-coded to distinguish the following tracks:

Track A — Essentials of Nursing Informatics in the Age of the Internet of Things

Track B — Integrating the Internet of Things Into Health Management, Personalized Care, and Patient Engagement

Track C — Patient Safety, Clinical Decision-Making, and Patient-Generated Data

Track D — Big Data Challenges Related to Population Health and Health Information Exchange

Ⓦ Designates a Webcast Session

Wednesday • July 12, 2017

8-9:30 a.m.	**Registration and Continental Breakfast**	UMSON Lobby
8:15-9:00	**How to Prepare a Professional Presentation (0.75 CE)**	Room 140
8:15-9:00	**Tour of University of Maryland Medical Center Shock Trauma (10 people only)**	UMSON Lobby
8:15-9:00	**Tours of UMSON Simulation Laboratories and Living History Museum**	UMSON Lobby
8:30-9:00	**Information Session about UMSON's Master's Specialty in Nursing Informatics**	Room 150
9:15-9:45	**Welcome, Opening Remarks, and Presentation of Outstanding Abstract Awards** Ⓦ **Jane M. Kirschling, PhD, RN, FAAN** Dean and Professor University of Maryland School of Nursing **Charlotte Seckman, PhD, RN-BC, CNE** Associate Professor, Nursing Informatics and 2017 SINI Planning Committee Chair University of Maryland School of Nursing	Room 130
9:45-10:45	**Plenary Speaker (1.0 CE)** **Digital Health, The Underserved, and Health Innovation** Ⓦ **Chris Gibbons, MD, MPH** Federal Communications Commission CEO, The Greystone Group	Room 130
11-noon	**CONCURRENT SESSION 1 (1.0 CE)**	
	1A **Introduction to Clinical Informatics and the Internet of Things** **Eun-Shim Nahm, PhD, RN, FAAN** Professor and Program Director, Nursing Informatics University of Maryland School of Nursing **Ernest Opoku-Agyemang, MS, MA, RN** Clinical Instructor University of Maryland School of Nursing	Room 140
	1B **Self-Management Health Apps: Motivation to Adopt Healthful Habits** **Kathleen G. Charters, PhD, RN, CPHIMS** Senior Spiritual Fitness and Health Informatics Analyst, HJF Consortium for Health and Military Performance Human Performance Resource Center Department of Military and Emergency Medicine **Peer-Reviewed Presentation** **How the Internet of Things (IoT) Can Improve Interoperability and Clinical Workflows in IV Medication Administration** Ⓦ **Francisco Cuesta, BSN, and Aron Weiler, SWE** Becton Dickinson	Room 304

11-noon	**CONCURRENT SESSION 1 (1.0 CE)**	
	1C **Progress with the OpenNotes Initiative** Ⓦ Jan Walker, MBA, RN Assistant Professor Division of General Medicine & Primary Care Beth Israel Deaconess Medical Center and Harvard Medical School	Room 130
	1D **Incorporating Social Determinants of Health** Murielle Beene, DNP, MS, MBA, FAAN Chief Nursing Informatics Officer Department of Veterans Affairs	Room 730
noon-1:15 p.m.	**Luncheon and Roundtable Discussions (1.0 CE)** *(Hosted by Planning Committee Members)* **Marion Ball, EdD** TIGER Initiative (U.S. and International) **Kathleen Charters, PhD, RN, CPHIMS** EHR Inpatient and Outpatient Support for Spirituality **Arpad Kelemen, PhD** Mobile Health Game Development **Michelle Lardner, MS, RN-BC** Precision Medicine/Genomics **Mary Etta Mills, ScD, RN, NEA-BC, FAAN** Organizational Issues in Informatics **Eun-Shim Nahm, PhD, RN, FAAN** Careers in Nursing Informatics **Ernest Opoku-Agyemang, MSN, MA, RN** Serious Games and Chronic Diseases Management **Ronald Piscotty Jr., PhD, RN-BC** Clinical Dashboards and Clinical Decision Support **Paula M. Procter, MSc, RN, PGCE, SFHEA, FBCS, CITP, FIMIANI** Global Nursing Connections through Technology **Virginia Saba, EdD, RN, FACMI, FAAN** Electronic Documentation of Nursing Plans of Care (NPOs) **Charlotte Seckman, PhD, RN-BC, CNE** Patient Generated Health Data **Catherine Welchel, MHSA, RN, NEA-BC** Integrated Capacity Management **Marisa L. Wilson, DNSc, MHSc, RN-BC** Competencies, Informatics Specialization and Accreditation	SMCCC Ballroom
1:30 - 2:00	**CONCURRENT SESSION 2 (1.0 CE)**	
	2A **Clinical Information Systems Life Cycle** Beverly Bell, MHA, BS, RN, FHIMSS, CPHIMS CNO Premier Focus East at Cerner	Room 140
	2B **Engage Your Care Team** Ⓦ CRD Linda Nash, RN National Military Medical Center	Room 130
	2C **Peer-Reviewed Presentations** **Predictive Analytics: Proactive Integrated Capacity Management** Tamira Harris, PhD, MBA, MSN, CPHQ McKesson Corporation **Analyze This! Building Analytics Capacity in the Department of Veterans Affairs Workforce** Kathleen Brandt, MS, RN-BC, PMP Department of Veterans Affairs	Room 304
	2D **Incorporating Social Determinants of Health for DOD Readiness** Capt. Kimberly Ellenberg, DNP, MS, RN Deputy Director of Population Health at the Defense Health Agency U.S. Department of Defense (DoD)	Room 730

2:45 - 3:45	**CONCURRENT SESSION 3 (1.0 CE)**	
	3A **System Maintenance and Optimization** Carrie Stein, RN, MSN, MBA Director of Clinical Informatics Johns Hopkins Bayview Medical Cneter	Room 140
	3B Peer-reviewed Presentations **Phone Note: Capturing Patient Care Outside the Hospital Based Clinics** Oscar Glorioso, MSN Baylor Scott and White Health Kristin Kammrath, MSN Baylor Scott and White Health **Exploration of Portal Activation by Patients in a Healthcare System** Season Majors, MSN, RN, OCN, CAHIMS Inova Health Systems Patricia Mook, MSN, RN, NEA, CAHIMS Inova Health Systems	Room 304
	3C **Using Health IT to Improve Patient Engagement and Team Communication** Ⓦ Patricia C. Dykes, PhD, RN, FAAN, FACMI Senior Nurse Scientist, Program Director, Center for Patient Safety Research and Practice Program Director, Center for Nursing Excellence Brigham & Women's Hospital	Room 130
	3D **Incorporating Social Determinants of Health for Kaiser Permanente Population Health Projects** David L. Boyd, DNP, RN, CNS, RN-BC Regional Director - Nursing Informatics Kaiser Permanente	Room 730
4-5	**Distinguished Lecture (1.0 CE)** **Consumer Health, the Internet and Decision Making** Ⓦ Dina Demner-Fushman, MD, PhD Staff Scientist Lister Hill National Center for Biomedical Communications U.S. National Library of Medicine	Room 130
5:15-6:45	**Networking Reception**	SMCCC

Track A	Essentials of Nursing Informatics in the Age of the Internet of Things	**Track C**	Patient Safety, Clinical Decision-Making, and Patient-Generated Data
Track B	Integrating the Internet of Things Into Health Management, Personalized Care, and Patient Engagement	**Track D**	Big Data Challenges Related to Population Health and Health Information Exchange

9-11:30 a.m.	**Poster and Exhibitor Setup**	UMSON Lobby
8-9	**Registration and Continental Breakfast**	UMSON Lobby
8-9	**University of Maryland Bookstore (On-site)**	UMSON Lobby
8:30-9	**Tour of University of Maryland Medical Center Shock Trauma (10 people only)**	UMSON Lobby
8:30-9	**Tour of UMSON Simulation Laboratories and Living History Museum**	UMSON Lobby
9:15	**Greetings and Remarks**	Room 130
9:15-10:30	**Keynote: (1.25 CE)** **Wearable and Non-Contact Sensors and Analytics to Improve Health** Ⓦ Rosalind Picard, ScD, FIEEE Director of Affective Computing Research Faulty Chair, MIT Mind+Hand+Heart Professor, MIT Media Laboratory	Room 130
10:45-11:45	**CONCURRENT SESSION 4 (1.0 CE)**	
	4A **Health Care Information Systems and Care Models** Rebecca Freeman, PhD, RN, PMP Chief Nursing Officer, Office of the National Coordinator for Health Information Technology U.S. Department of Health and Human Services Andrea Hayes, MPH, RN Office of the National Coordinator for Health Information Technology U.S. Department of Health and Human Services	Room 140
	4B **The 5 Worst and 5 Best Ideas for Health Informatics to Improve Diagnostic Safety and Quality** Ⓦ David Newman-Toker, MD, PhD Professor of Neurology Director, Division of Neuro-Visual & Vestibular Disorders, Department of Neurology Johns Hopkins University School of Medicine Johns Hopkins Hospital	Room 130
	4C **Peer-reviewed Presentations** **Nurse Leader Clinical Dashboard of Nursing Care Omissions** Ronald Piscotty, PhD, RN-BC University of Maryland School of Nursing **SINI 2017** — Practice Podium Award Winner **The Characteristics of Pressure Injury Photographs from Electronic Health Record in Clinical Settings** Dan Li, PhD, RN University of Pittsburgh School of Nursing	Room 150

10:45 -11:45	**CONCURRENT SESSION 4 (1.0 CE)**	
	4D **Lessons Learned from Systems Population Projects Incorporating Social Determinants of Health – Pulling it Together** Marisa Wilson, DNSc, MHSc, RN-BC Associate Professor and Specialty Track Coordinator, Nursing Informatics University of Alabama at Birmingham School of Nursing Paula Procter, MSc, RN, PGCE, MSC, SFHEA, FBCS, CITP, FIMIANI Reader in Informatics and Telematics in Healthcare, Department of Nursing and Midwifery, Faculty of Health and Wellbeing Sheffield Hallam University, United Kingdom	Room 730
noon-1:30 p.m.	**Lunch & Learn** (sign up at Registration Desk) **Modern Nurse Call Systems** Learn about advanced clinical communications and workflow solutions with an actual Nurse Call Voice over IP system live demonstration. Explore powerful tools designed to improve day to day processes while increasing patient satisfaction, and how this leads to increased HCAHPS scores. This lunch and learn will review cutting edge technology using virtual reality with an opportunity to see, touch and feel the actual equipment. **Surgical Safety Scanner** Surgical Safety Scanner transforms the care of surgical patients by providing a standardized approach with building trays, inoperative instrument counting, minimizes radiological exams, monitors autoclaving of instruments, provides quality assurance reporting and reduces surgery costs. The Surgical Safety Scanner lunch and learn is a hands-on demonstration of this new enterprise innovation.	SMCCC Ballrooms
1-1:30	**Information Session about UMSON's Master's Specialty in Nursing Informatics**	Room 150
1:45-2:45	**CONCURRENT SESSION 5 (1.0 CE)**	
	5A **The Power of Patient Engagement: Leveraging Technology to Improve Patient Outcomes** Karen N. Drenkard, PhD, RN, NEA-BC, FAAN, SVP Chief Clinical and Nursing Officer GetWellNetwork	Room 140
	5B **Peer-Reviewed Presentations** SINI 2017 — Research Podium Award Winner **Evaluation of Continuous Multi-Parameter Surveillance Monitoring, a Wearable Medical Device, on Code Blue/Treat Team Events for Medical-Surgical Floor Patients** Tonya Judson, RN, and Ada Holyfield, MSN, RN Sotera Wireless **Program Transformation from Paper Documentation to Proactive Data Transfer: Use of An App in Outpatient Pediatric Cardiology Home Monitoring Program** Lori Erickson, MSN, CPNP-PC Children's Mercy Kansas City	Room 150

Track A Essentials of Nursing Informatics in the Age of the Internet of Things	**Track C** Patient Safety, Clinical Decision-Making, and Patient-Generated Data
Track B Integrating the Internet of Things Into Health Management, Personalized Care, and Patient Engagement	**Track D** Big Data Challenges Related to Population Health and Health Information Exchange

1:45-2:45	**CONCURRENT SESSION 5 (1.0 CE)**	
	5C **Internet of Things and Patient Self-Management** Ⓦ Sally Okun, MMHS, RN Vice President of Advocacy, Policy and Patient Safety Patientslikeme	Room 130
	5D **Community Commons: Platform Visualization Tool to Connect and Integrate Data** Jamie Kleinsorge, MS Project Director Institute for People, Place, and Possibility (IP3)	Room 730
3-4	**CONCURRENT SESSION 6 (1.0 CE)**	
	6A **Big Data/Data Analytics and Quality of Care** Charles Boicey, MS, RN-BC, CPHIMS Chief Innovation Officer Clearsense	Room 140
	6B **Comprehensive Electronic Patient Information When and Where Needed** Ⓦ William A. Yasnoff, MD, PhD Adjunct Professor, Health Sciences Informatics Johns Hopkins University Founder and Managing Partner National Health Information Infrastructure Advisors	Room 130
	6C **Peer-Reviewed Presentations** **Realizing Continuity of Care Through Oncology Nurse Navigation Electronic Documentation** Rosella Ganoudis, MSN, MBA, RN Union Hospital of Cecil County **Method for Measuring Nursing Workload and Resources** Virginia Saba, EdD, RN, FACMI, FAAN SabaCare	Room 150
	6D **Community Commons: Platform Visualization Tool to Connect and Integrate Data** This is an active learning session. Jamie Kleinsorge, MS Project Director Institute for People, Place, and Possibility)	Room 730
4:15-5:15	**Poster Session (1.0 CE)**	UMSON Lobby
5:15	**Optional Activities:** **Tour of University of Maryland Medical Center Shock Trauma (10 people only)** **Tour of UMSON Simulation Laboratories and Living History Museum**	UMSON Lobby

Track A	Essentials of Nursing Informatics in the Age of the Internet of Things	**Track C**	Patient Safety, Clinical Decision-Making, and Patient-Generated Data
Track B	Integrating the Internet of Things Into Health Management, Personalized Care, and Patient Engagement	**Track D**	Big Data Challenges Related to Population Health and Health Information Exchange

FRIDAY • JULY 14, 2017

7:30-8:15 a.m.	**Registration and Hot Healthy Breakfast**	UMSON Lobby
8:30-9:45	**Distinguished Lecture (1.25 CE)** **Leveraging the Power of Digital Health Data for Chronic Disease** Ⓦ Malinda Peeples, MS, RN, CDE *Vice President Clinical Advocacy* *Welldoc – Mobile DM Management*	Room 130
10-11	**CONCURRENT SESSION 7 (1.0 CE)**	
	7A **Panel Discussion: Career Progression in Nursing Informatics – To Become a Leader!** Malinda Peeples, MS '97, RN, CDE *Vice President Clinical Advocacy* *Welldoc – Mobile DM Management* Minnie Raju, MS, RN *Nursing Liaison and Clinical Documentation Supervisor* *Department of Clinical Research Informatics* *National Institutes of Health, Clinical Center* Patricia Sengstack, DNP, RN-BC, CPHIMS *CNIO, Bon Secours Health System* Cindy Smith, MS, RN-BC, PMP *Clinical Informatics, Bear Institute* *Cerner* Derrick L. Wyatt, MSN, RN-BC, CPHIMS, CMCN *Commander, U.S.Public Health Service* *Health Scientist Administrator (Research Manager)* *U.S. Department of Health and Human Services* *Agency for Healthcare Research and Quality* *Center for Evidence and Practice Improvement (CEPI)*	Room 304
	7B **Challenge of Moving Innovations Into Enterprise Solutions** Ⓦ Daniel Messinger *Lead Associate & Project Manager* *Booz Allen Hamilton at National Capital Region Medical Directorate*	Room 130
	7C **Peer-Reviewed Presentations** **Clinical Care Classification (CCC) Usability in EHR Using the Health Care Data Dictionary** Rachael Howe, MS, RN *3M HIS* Tiffany Harman, BSN, RN *3M HIS* **The Pros & Cons of Collecting Patient-Generated Health Data** Danielle Miller, PhD, RNC-OB, C-EFM *Infor* Brianna Zink *Infor*	Room 307

10-11	**CONCURRENT SESSION 7 (1.0 CE)**	
	7D	Room 730
	Merging Holistic, Community, and Informatics Nursing Knowledge to Move Population Health Forward: Wrap Up with Case Studies	
	Marisa Wilson, DNSc, MHSc, RN-BC	
	Associate Professor and Specialty Track Coordinator, Nursing Informatics	
	University of Alabama at Birmingham School of Nursing	
	Paula Procter, MSc, RN, PGCE, MSC, SFHEA, FBCS, CITP, FIMIANI	
	Reader in Informatics and Telematics in Healthcare	
	Department of Nursing and Midwifery, Faculty of Health and Wellbeing	
	Sheffield Hallam University, United Kingdom	
11:15 a.m.-12:30 p.m.	**Endnote Address (1.25 CE)**	Room 130
	Nursense, Innovation, and You: Engaging Geriatric Patients and Care Givers With Technology Ⓦ	
	Diane F. Mahoney, PhD, RN, FAAN	
	Jacques Mohr Geriatric Nursing Research Professor	
	Director of Gerontechnology R & D	
	MGH Institute of Health Professions, School of Nursing	
12:30-1	**Closing Remarks, Raffle and Announcement of People's Choice Award** Ⓦ	Room 130
	Charlotte Seckman, PhD, RN-BC, CNE	
	Associate Professor, Nursing Informatics	
	SINI 2017 Planning Committee Chair	
	University of Maryland School of Nursing	

Track A	Essentials of Nursing Informatics in the Age of the Internet of Things	**Track C**	Patient Safety, Clinical Decision-Making, and Patient-Generated Data
Track B	Integrating the Internet of Things Into Health Management, Personalized Care, and Patient Engagement	**Track D**	Big Data Challenges Related to Population Health and Health Information Exchange

Poster Session

Be sure to cast your vote for the People's Choice Poster Award!
Turn in your ballot at the registration desk before the endnote presentation.

Track A: Essentials of Nursing Informatics in the Age of the Internet of Things

1. **Does DNP Students' Experience with Information Technology Predict Mastery of Informatics Competencies?**

   Barbara Kupferschmid, PhD, MSN, RN
   Connie Creech, EdD, MSN, RN, ANP-BC
   Marsha Lesley, PhD, MLIS, BSN

2. **Care Team Communication: Enhancing the Delivery and Collaboration of Patient Care With a Mobile Technology**

   Cindy Phipps, BSN, RN
   Millicent Johnson, MSN, RN

Track B: Integrating the Internet of Things Into Health Management, Personalized Care, and Patient Engagement

3. **Creation and Evaluation of a Preoperative Education Website for Hip and Knee Replacement Patients - A Pilot Study**

   L. Andrea French, JD, MSN, RN
   Amelia Dayucos, RN
   Arpad Kelemen, PhD
   Yulan Liang, PhD

4. **Direct Messaging: Are We There Yet?**

   Oscar Glorioso, MSN
   Kristin Kammrath, MSN

Practice Poster Award Winner

5. **Secure Messaging Application: A Heuristic Evaluation**

   Amy Hill, BSN, RN-BC, CPN
   Arpad Kelemen, PhD

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6. **Medications, Barcodes, and Apps - Oh My! Implementing BCMA in a Pediatric Facility with a Hand-held Communication Device**

   Stephanie Lenz-Norman, MSN, RN

Research Poster Award Winner

7. **What Factors Predict Fitbit Adherence in Stroke and Parkinson Disease?**

   Katrina Schrader, MA
   Helena Mentis, PhD
   Michael Phipps, MD
   Ann Gruber-Baldini, PhD
   Karen Yarborough, DNP
   Erick Barr, BA
   Rainer von Coelln, MD
   Lisa Shulman, MD

Track C: Patient Safety, Clinical Decision-Making, and Patient-Generated Data

8. **Evaluation of the use of the Bar Code Medication Administration (BCMA) Process after the First Decade**

   Lynne Bittner, MS, RN-BC
   Anne Lara, RN, EdD

9. **Scheduled Medication Administration Times - "Giving Nurses the Gift of Time"**

   J. Vickie Elliott, BSN, CCRN-CSC
   Roxie Shortt-Lewis, BSN, RN

10. **Clinician-Led Practice Design for Value-Based Reimbursement: The Oncology Care Model**

    Tamira Harris, PhD, MBA, MSN, CPHQ

11. **Is it Really Necessary? Using Clinical Decision Support to Decrease Urinary Catheter Device Days and Reduce CAUTI's**

    Jassette Johnson-Dawes, RN
    Rafiat Adedayo, RN

12. **Patient Risk Stratification via NEWS: Speaking the Same Language**

    Marie Kozel, MBA, BSN

13. **Patient Progression: A Multi-Discinplinary Approach to Moving Patients Safely, Quickly, and Efficiently**

    Nancia Odom, MSN, RN, BC

14. **Mobile Apps and Clinical Decision Making Among Nurse Practitioners**

    Charlotte Seckman, PhD, RN-BC, CNE

Track D: Big Data Challenges Related to Population Health and Health Information Exchange

15. **Evaluation of the use of the Bar Code Medication Best Practice: Care Alerts in Maryland's Health Information Exchange, Chesapeake Regional Information System for our Patients (CRISP)**

    Heather McAuliffe, BSN, RN-BC
    Rosella Ganoudis, MSN, MBA, RN

16. **Optimization of a Sepsis Screening System**

    Patricia McCabe, DNP, RN, CCRN
    Janet Thorne, RN, MGR

17. **Toward High-Quality Big Data to Support Population Health: Identifying the Data Quality Problems with Medicaid Datasets**

    Yili Zhang, MS
    Pratik Tamakuwala, BE
    Gunes Koru, PhD

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Turn right after exiting the School of Nursing and continue on West Lombard Street to the corner of Greene Street. Turn right on Greene Street. Walk one block and turn left onto West Pratt Street. The restaurant is located at 511 W. Pratt St.

Luna del Sea Steak & Seafood

Turn right after exiting the School of Nursing and continue on West Lombard Street to the corner of Greene Street. Turn right on Greene Street. Walk one block and turn left onto West Pratt Street. Walk three blocks toward the Inner Harbor to 300 W. Pratt St.

Peace & A Cup of Joe

Turn left after exiting the School of Nursing and continue on West Lombard Street to the corner. Turn left onto Penn Street. Continue one block and turn right onto West Pratt Street. The café is located at 713 W. Pratt St.

The Penn Restaurant

Turn left after exiting the School of Nursing and continue on West Lombard Street to the corner. Turn left onto Penn Street. Continue one block to West Pratt Street. The Penn Restaurant is located on the corner of Penn Street and Pratt Street.

Potbelly Sandwich Works

Turn right after exiting the School of Nursing and continue on West Lombard Street to the corner of Greene Street. Turn right on Greene Street. Walk one block and turn left onto West Pratt Street. 519 W. Pratt St. is on the right (located in the Greenehouse Apartments building).

University of Maryland Medical Center (Cafeteria)

A variety of quick service dining options are located inside UMMC, directly across Lombard Street from the School of Nursing. Turn right after exiting the School of Nursing and continue on West Lombard Street to the corner. Turn left onto Greene Street to enter the hospital.

NOTES

SINI 2018

28th Summer Institute in Nursing Informatics

Balancing Digital Demands: Access, Use, Security

Keynote Speaker: TBD

Endnote Speaker: Stephanie S. Poe, DNP, MScN, RN-BC
Chief Nursing Information Officer, Senior Director of Nursing,
Quality and Informatics
Johns Hopkins Hospital/Johns Hopkins Health System

Save the Dates

Preconferences: July 17, 2018
Conference: July 18-20, 2018

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Thursday, July 13 | 1-1:30 p.m.

The University of Maryland School of Nursing's Nursing Informatics master's specialty prepares you to improve patient care and outcomes by:

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