

# Technological Innovations for Evidence-Based Practice

The Seventeenth National Evidence-Based Practice Conference  
Friday, April 23, 2010 with pre-conference offered on Thursday, April 22, 2010

*The conference is sponsored by:*

**University of Iowa Hospitals and Clinics, Department of Nursing Services & Patient Care**

*with co-sponsorship by:*

- Research Translation and Dissemination Core of the Gerontological Nursing Interventions Research Center (GNIRC) at the University of Iowa College of Nursing
- The University of Iowa Hartford Center of Geriatric Nursing Excellence
- Center for Research in the Implementation of Innovative Strategies in Practice (CRIISP) – a VA HSR&D Center of Excellence
- Sigma Theta Tau International – Gamma Chapter

**Purpose:** This program describes the use of innovative technology in promoting evidence-based healthcare. A variety of innovations with implications for practice, research, and education will be discussed.

**CONFERENCE Friday, April 23, 2010**

## Objectives:

1. Discuss developments in technology that impact evidence-based approaches to improve patient outcomes.
2. Discuss evidence-based practice related to clinical decision support and technology.
3. Identify evidence-based practice initiatives applicable to your practice.

7:00 am – 8:00 am	Breakfast – Registration – Poster Viewing
8:00 am – 8:10 am	Welcome <i>Ann Williamson, PhD, RN, NEA-BC</i>
8:10 am – 9:15 am	KEYNOTE ADDRESS Clinical Decision Support for Safety and Quality: What's the Evidence? <i>Suzanne Bakken, RN, DNSc, FAAN</i>
9:15 am – 10:00 am	The Human – Technology Interface: Evidence and Examples <i>John D. Lee, PhD</i>
10:00 am – 10:30 am	Break – View Posters - Visit Sponsors
10:30 am – 11:00 am	Clinical Information Systems: Vendor Selection, Implementation, and Evaluation <i>Kristy Walker, MBA</i>
11:00 am – 11:30 am	Mobile Decision Support for Advanced Practice Nurses <i>Suzanne Bakken, RN, DNSc, FAAN</i>
11:30 am – 1:00 pm	Lunch – View Posters –Visit Sponsors
1:00 pm – 2:00 pm	Concurrent sessions A or B or C (see next page)
2:00 pm – 2:10 pm	Move to next concurrent session
2:10 pm – 3:10 pm	Concurrent sessions D or E or F (see next page)
3:10 pm – 3:30 pm	Break and Poster Viewing
3:30 pm – 4:10 pm	ENDNOTE ADDRESS Using Technology to Manage Chronic Illness in Older Adults at Home <i>Bonnie J. Wakefield, PhD, RN, FAAN</i>
4:10 pm – 4:30 pm	Awards and Prizes

## Conference Faculty

### KEYNOTE SPEAKER

**Suzanne Bakken, RN, DNSc, FAAN;** The Alumni Professor of Nursing and Professor of Biomedical Informatics at Columbia University, New York, NY

### PLENARY SESSIONS

**John D. Lee, PhD;** Professor and Director of the Cognitive Systems Laboratory, Department of Industrial and Systems Engineering, University of Wisconsin-Madison College of Engineering, Madison, WI

**Kristy Walker, MBA;** Director of Clinical Applications, Health Care Information Systems, University of Iowa Hospitals and Clinics, Iowa City, IA

**Bonnie J. Wakefield, PhD, RN, FAAN;** Research Associate Professor, Sinclair School of Nursing, University of Missouri; and Investigator, Center for Research in the Implementation of Innovative Strategies in Practice (CRIISP), Iowa City VA Medical Center, Iowa City, IA

## CONFERENCE Concurrent Sessions

### Group A: Technology Improving Clinical Decisions

- **Testing Use of Radio Frequency for Patient Safety in the OR**, (invited paper) Victoria Steelman, PhD, RN, CNOR, FAAN; Assistant Professor, University of Iowa College of Nursing
- **It Takes a Village: Optimizing Clinically Relevant Outcomes in Diabetic Care Requires More Than Point-Of-Care Health Information Technology**, Tammy Dallas, RN; Nurse Office Manager, Decatur Memorial Hospital, Decatur, IL
- **A Tailored Intervention for Distracting Children From Medical Procedures: Using an Evidence-Based Guideline and Computer Technology**, Kirsten Hanrahan, MA; Advanced Registered Nurse Practitioner, University of Iowa Children's Hospital and Doctorate of Nursing Practice Student, University of Iowa College of Nursing

### Group B: Never Events

- **Hospital-Based Nurse-Focused Interventions for Pressure Ulcer Prevention: A Systematic Review**, Lynn M. Soban, PhD, MPH, RN; VA HSR&D Career Development Awardee, VA Greater Los Angeles, Sepulveda, CA
- **Implementing Evidence-Based Practice Guidelines for Catheter Associated Urinary Tract Infections at a VA Medical Center**, Earlie Hale, MS, RN, CMSRN, GCNS-BC; Clinical Nurse Specialist, Richard L. Roudebush VA Medical Center, Indianapolis, IN
- **Fall Prevention Program for Thai Elders in Community: A Participatory Action Research**, Narirat Jitramontree, PhD, RN; Assistant Professor, Faculty of Nursing, Mahidol University, Bangkok, Thailand

### Group C: Leadership

- **EBP Adoption in Long Term Care: Correlates That Define High and Low Adopters**, Ann Bossen, RN, MSN, BC; Project Director, University of Iowa College of Nursing
- **Let the Sun Shine In: An Innovative Program to Recognize, Reward, and Retain Nursing Staff**, Heather Ries, MSN, RN; Clinical Nurse Specialist, Mercy Medical Center, Dubuque, IA
- **Implementation of an Evidence-Based Acuity Staffing Model**, Leo Sherman, MA, RN; Administrative Nurse I, University of Illinois Medical Center at Chicago, Chicago, IL

### Group D: Pediatrics

- **Measuring Up: Evidence-Based Linear Growth Measurement of Children**, Jan M. Foote, DNP, ARNP, CPNP; Pediatric Nurse Practitioner, Raymond Blank Memorial Children's Hospital, Des Moines, IA
- **Facilitators of Evidence-Based Pediatric Pain Management in Emergency Departments: Similarities and Differences Between Iowa Critical Access, Rural-Rural Referral, and Urban Hospitals**, Sarah Wente, MSN, RN; PhD Student, Research Assistant, University of Iowa College of Nursing
- **Does the Use of an Assistive Device Increase Peripheral Intravenous Catheter Insertion Success in Infants and Children?** Kimberly Peterson, MSN, APRN-PCNS-BC, CPNP; Clinical Nurse Specialist, Children's Hospital & Medical Center, Omaha, NE

### Group E: Innovations Using Technology

- **EBP InfoBot: Evaluation of an Evidence-Based Practice System**, Cheryl A. Fisher, EdD, RN-BC; Program Manager Practice Development, National Institutes of Health, Bethesda, MD
- **Quality Engagement Supported by Knowledge Management**, Kathleen Walrath, MS, APN, CNS; Quality and Safety Coordinator for Nursing Services, University of Illinois Medical Center, Chicago, IL
- **Use of EBP to Reduce Central Line-Associated Bacteremia in a Large Level III Neonatal ICU: Development of a Closed Transfer Set, Change in Lipid Administration and Reduction of Non-Value Added Practices**, Karen Fugate, RNC-NIC, BSN; Quality Specialist, Tampa General Hospital, Tampa, FL

### Group F: Moving to the Future

- **Improving Pain Management in Long Term Care Settings: The Multi-Level Translation Research Application in Nursing Homes**, Lavon Yeggy, BSN, RN-BC; Site Coordinator, Research Assistant, University of Iowa College of Nursing
- **Assessment of the Effectiveness of Introducing Critical Thinking Skills in Nursing Curricula on Both Students and Faculty Members of the School of Nursing, Menoufia University of Egypt**, Farida Habib, RN, PhD, MPH; Faculty, Western Kentucky University, Bowling Green, KY
- **Evidence-Based Practice Nursing Interventions for Improved Functional and Cognitive Outcomes in the Traumatic Brain Injury (TBI) Population**, Judith Kutzleb, DNP, RN, CCRN, APN-C; Doctor of Nursing, Holy Name Hospital, Teaneck NJ

*Group A through F presentations were selected from submitted abstracts unless otherwise noted. Authors listed are based on submitted abstracts; all authors will be included in the program syllabus.*

## PRE-CONFERENCE Thursday, April 22, 2010

10:00 am – 12:00 pm	Early Registration		
12:00 pm – 1:00 pm	Registration and Coffee – Visit Sponsors		
	Select <u>one</u> of the following tracks to attend:		
	<b>Track I (Basic): Project Reports</b> <ul style="list-style-type: none"> <li>• Outline steps of an EBP Model using an EBP Project</li> <li>• Discuss EBP projects</li> </ul>	<b>Track II: Implementation and Evaluation</b> <ul style="list-style-type: none"> <li>• Describe effective implementation strategies to promote adoption of evidence-based practices.</li> </ul>	<b>Track III: Technology and Adult Patient Care</b> <ul style="list-style-type: none"> <li>• Describe the use of technology for creating, implementing, and informing care.</li> </ul>
1:00 pm – 3:40 pm	<b>NICU Thermoregulation</b> – Stephanie Stewart, BSN, RNC, MSN Karen Gray, RN, MSN  <b>Exercise in Adults Undergoing Cancer Treatment</b> – Linda Moeller, BSN, RN  <b>Support in Second Stage Labor</b> – Jeana Andrew, MSN, RN, BC  <b>Oral Mucositis</b> – Michele Farrington, BSN, RN  <b>Pain: Opioid Monitoring</b> – Renee Gould, RN-BC, MS	<b>Implementation When the Technology Changes for Blood Transfusion</b> – Anne M. Smith, MSN, RN  <b>Implementation and Use of New IV Pump Technology</b> – Bev Vermace, RN, BSN and Geri Kirkbride, RN, MSN, CCRN  <b>Using Technology to Create Collaboration in an EBP Network</b> – Susan Adams, PhD, RN  <b>Implementation of Huddles to Manage Length of Stay and Throughput</b> – Melissa Gross, RN, BSN; Joelle Jensen, RN, MSN, NEA-BC; Rebecca O'Rourke, MHA, MPH, RD  <b>Low Tech Techniques for Improving Communication With Children</b> – Martha Driessnack, PhD, PNP-BC	<b>Using Augmentative Communication &amp; Environmental Control Technology in Acute Care</b> – Michele Wagner, RN, MSN, CNRN  <b>Computer Analysis Promoting Geriatric Mobility</b> – H. John Yack, PhD, PT  <b>Testing and Using Technology to Promote Elder Independence</b> – Bonnie Wakefield, PhD, RN, FAAN  <b>Facilitated Discussion: Research and Practice with eICU's</b> – John D. Lee, PhD and Jennifer S. Pacha, RN, MSN, FCCS
3:40 pm – 4:00 pm	Break – Visit Sponsors		
4:00 pm – 5:00 pm	Simulation: Not Your Preceptor's Nursing Education – Ann Willemsen-Dunlap, PhD, CRNA		
5:00 pm – 6:00 pm	Wine /Cheese – Networking Poster Set-Up		

# Pre-Conference Faculty\*

## SPEAKERS

**Susan Adams**, PhD, RN; Investigator, Center for Research in the Implementation of Innovative Strategies in Practice (CRIISP), Iowa City VA Medical Center, Iowa City, IA; Director, National Nursing Practice Network (NNPN)

**Jeanne Andrew**, MSN, RN; Advanced Practice Nurse, Obstetrics, Children's and Women's Services

**Martha Driessnack**, PhD, PNP-BC; Assistant Professor, University of Iowa College of Nursing

**Michele Farrington**, BSN, RN; Pediatric Staff Nurse, University of Iowa Children's Hospital

**Renee Gould**, RN-BC, MS; Advanced Practice Nurse, Center for Nursing Quality, Professional Development, Research, and Informatics

**Karen Gray**, RN, MSN; Neonatal Intensive Care Unit Staff Nurse, University of Iowa Children's Hospital

**Melissa Gross**, RN, BSN; Nurse Manager, Intensive and Specialty Services

**Joelle Jensen**, RN, MSN, NEA-BC; Senior Associate Director – Clinical Services, Medical Surgical Services

**Gerri Kirkbride**, RN, MSN, CCRN; Nursing Research Facilitator, Memorial Medical Center, Springfield, IL, and PhD student, University of Iowa College of Nursing

**John D. Lee**, PhD; (see above)

**Linda Moeller**, BSN, RN; Staff Nurse, Holden Comprehensive Cancer Center, UIHC, and Adjunct Clinical Nursing Instructor, Mount Mercy College, Cedar Rapids, IA

**Rebecca O'Rourke**, MHA, MPH, RD, Administrative Fellow, Hospital Administration, University of Iowa Hospitals and Clinics

**Jennifer S. Pacha**, RN, MSN, FCCS; Clinical Education Specialist - Iowa Health Des Moines and Staff Nurse eICU - Mercy Medical Center, Des Moines

**Stephanie Stewart**, BSN, RNC, MSN; Advanced Practice Nurse, Neonatal Intensive Care Unit, University of Iowa Children's Hospital

**Anne M. Smith**, MSN, RN; Advanced Practice Nurse, Center for Nursing Quality, Professional Development, Research, and Informatics

**Bev Vermace**, RN, BSN; UIHC Parental Infusion Device Coordinator, Nurse Clinician, Center for Nursing Quality, Professional Development, Research, and Informatics

**Michele Wagner**, RN, MSN, CNRN; Advanced Practice Nurse, Intensive and Specialty Services

**Bonnie J. Wakefield**, PhD, RN, FAAN; (see above)

**Ann Willemsen-Dunlap**, PhD, CRNA; Co-Director, Department of Anesthesia Simulation Center

**H. John Yack**, PhD, PT; Faculty, Graduate Program in Physical Therapy & Rehabilitation Science, University of Iowa Carver College of Medicine; Director, Orthopaedic Gait Analysis Laboratory, University of Iowa Hospitals and Clinics

\* Faculty are Department of Nursing, University of Iowa Hospitals and Clinics, Iowa City, IA unless otherwise noted.

Content considerations and selection of speakers are the responsibility of the Planning Committee. Companies providing financial support did not have input in these areas. Persons participating as faculty for this conference will disclose to attendees the nature of any existing relationships they have with companies providing support.

## General Information

### Nursing Credit

4.2 contact hours or 0.42 CEUs for 04/22/2010 pre-conference and 6.8 contact hours or .68 CEUs for 04/23/2010 will be granted by UI Hospitals and Clinics Department of Nursing (Iowa Board of Nursing Approved Provider #34). Participants must attend the entire program each day to receive credit.

### Registration Fees

**Thursday, April 22, 2010 (pre-conference)**      \$75 (\$55 if postmarked by 3/12/10)  
**Friday, April 23, 2010**      \$130 (\$110 if postmarked by 3/12/10)

Make check payable to: UIHC Department of Nursing. The registration fee covers the cost of program materials, awarding of continuing education credits, faculty expenses, refreshment breaks, and Friday's luncheon. Full refund of registration fee will be made if cancellations are received on or before April 1, 2010. Registration fees are nonrefundable after that date; substitutions are permitted.

### Register

*Early registration is strongly encouraged.*

Return the completed registration form and registration fee on or before March 26, 2010, to Rosanna Seabold (rosanna-seabold@uiowa.edu), University of Iowa Hospitals & Clinics Department of Nursing, 200 Hawkins Drive T-100 GH, Iowa City, IA 52242-1009. Participants must pre-register. **Confirmation of registration will not be mailed; receipts will be provided only upon request.**

Due to fluctuations in room temperature, we recommend you dress accordingly for your personal comfort.

Questions and **special dietary requests** should be directed to Grace Rempel (319-384-6737; grace-rempe@uiowa.edu), Center for Nursing Quality, Professional Development, Research, and Informatics.

### Websites

Electronic copy of brochure: [www.uihealthcare.com/depts/nursing/index.html](http://www.uihealthcare.com/depts/nursing/index.html) and click on "Research, Quality, and Outcomes Management" and then scroll down to "National Evidence-Based Practice Conference" on the bottom right side of the screen  
Tourism information: <http://207.12.117.47/visitors.asp>  
Sheraton Iowa City Hotel (210 S. Dubuque St., Iowa City, IA) maps/services/facilities/travel links:  
<http://www.starwoodhotels.com/sheraton/property/overview/index.html?propertyID=1282>

### Hotel

A block of rooms has been reserved at the Sheraton Iowa City Hotel for April 21<sup>st</sup> through April 23<sup>rd</sup>. Contact the Sheraton Iowa City Hotel directly at 319-337-4058 or 800-848-1335 **before March 29, 2010** and identify yourself as a participant at the "National Evidence-Based Practice Conference". The Sheraton discounted rate is \$124 plus tax for a single or double room. **Parking vouchers will be issued by the hotel for overnight guests only.** Contact Grace Rempel (319-384-6737; grace-rempe@uiowa.edu) for other housing options.

### Travel

**Flying:** Coralville/Iowa City is served by Allegiant Air, American, Delta (Northwest), and United Airlines through the Eastern Iowa Airport (CID) in Cedar Rapids, IA. The airport is approximately 30 minutes from the conference site. Commercial shuttle or taxi service is available to Coralville/Iowa City.

**Driving:** The Sheraton is located at 210 S. Dubuque St., Iowa City, IA. From Interstate 80, take Exit 244 onto Dubuque Street toward downtown Iowa City. Turn right onto E. Bloomington Street, left at N. Clinton, left onto E. Burlington Street, and left onto S. Dubuque Street. The parking ramp will be on your right, and the Sheraton Hotel will be in front of you at the cul-de-sac.

The Seventeenth National Evidence-Based Practice Conference  
**REGISTRATION FORM**

Name: \_\_\_\_\_  
Credentials: \_\_\_\_\_  
Position Title: \_\_\_\_\_  
Employer: \_\_\_\_\_  
Address: \_\_\_\_\_  
If UIHC, indicate unit and division: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Work Phone Number: \_\_\_\_\_ License Number: \_\_\_\_\_  
Home Phone Number: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

- Thursday, April 22, 2010 (pre conference)**  
(select one track )  TRACK I  TRACK II  TRACK III
- Friday, April 23, 2010**  
CONCURRENT SESSIONS: (select one concurrent group from each session)
- |             |                                  |             |                                  |
|-------------|----------------------------------|-------------|----------------------------------|
| <u>1:00</u> | <input type="checkbox"/> GROUP A | <u>2:10</u> | <input type="checkbox"/> GROUP D |
|             | <input type="checkbox"/> GROUP B |             | <input type="checkbox"/> GROUP E |
|             | <input type="checkbox"/> GROUP C |             | <input type="checkbox"/> GROUP F |
- Do not include my name on the Participant List in the syllabus
- How did you hear about the 17<sup>th</sup> National EBP Conference?  
 MAIL  EMAIL  COLLEAGUE  WEBSITE  JOURNAL AD

**Fee Schedule**

**Thursday, April 22, 2010** (pre-conference)  
\$75 (\$55 if postmarked by 03/12/10)

**Friday, April 23, 2010** (conference)  
\$130 (\$110 if postmarked by 03/12/10)

**Total Fee Submitted:** \_\_\_\_\_

**Make check payable to:** UIHC Department of Nursing

**Registration Deadline:** March 26, 2010

**Send registration form and fees to:**  
Rosanna Seabold (rosanna-seabold@uiowa.edu)  
UI Hospitals & Clinics Department of Nursing  
200 Hawkins Drive-T-100 GH  
Iowa City, IA 52242-1009

Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you require accommodation, please contact the Department of Nursing in advance at 319-384-6737 to discuss your needs. The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or associational preference. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. For additional information contact the Office of Equal Opportunity and Diversity, 319-335-0705.

**Conference Announcement**  
**The 17th National Evidence-Based Practice Conference**

The University of Iowa  
Hospitals and Clinics  
Department of Nursing  
200 Hawkins Drive  
Iowa City, IA 52242-1009

*Conference Announcement*

**The 17th National Evidence-Based Practice Conference  
Technological Innovations for Evidence-Based Practice**

**Thursday, April 22, 2010 (Pre-conference)  
Friday, April 23, 2010**

**Sheraton Iowa City Hotel  
210 South Dubuque Street  
Iowa City, Iowa**

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**Registration  
Deadline: 03/26/10**