41st Annual Research Conference

Harnessing Big Data and Nursing Science to Improve Health

April 6-9, 2017

Hyatt Regency Minneapolis
Minneapolis, MN

REGISTRATION BROCHURE/
PRELIMINARY PROGRAM

www.mnrs.org
AREAS OF RESEARCH EXCELLENCE

- Gerontology
- Health Systems Improvement
- Pain, Palliative Care and Symptom Management

FACULTY OPENINGS

Distinguished Scholar Opportunities

- Pain and Palliative Care
- Health Systems
- Health Information Technology

Targeted Faculty Positions in:

- Aging Mind and Brain
- Genetics/Genomics
- Informatics

nursing.uiowa.edu
nursing-research@uiowa.edu

Recruiting for the Dr. Rita and David Frantz Endowed Professorship:
Tenure track associate or full professor with a distinguished program of research focused on improving symptom management and care delivery with evidence of interprofessional collaborations to advance team science and a distinguished record of external research funding.
PRESIDENT’S MESSAGE

Dear Colleagues,

We are excited to introduce the impressive scientific program planned for the 41st Annual Research Conference of the Midwest Nursing Research Society. The theme of the 2017 conference reflects a scientific area of growing importance for nursing: Harnessing Big Data and Nursing Science to Improve Health. We are grateful to our host schools for their sponsorship and invaluable assistance with planning the conference in Minneapolis. Our host schools include the University of Minnesota School of Nursing, North Dakota State University School of Nursing, South Dakota State University College of Nursing, the University of Iowa, the University of Nebraska College of Nursing, the University of North Dakota College of Nursing & Health Professions, the University of South Dakota, and the Minnesota Association of Colleges of Nursing.

Our incredibly hard working MNRS Program Planning Committee has organized a stimulating conference that will provide opportunities to hear about cutting-edge research, engage in thoughtful discussions, and learn about new scientific methods. In addition, MNRS continues to provide outstanding networking and career development opportunities for nurse scientists and scholars at all levels – from students and junior investigators to mid-career and senior scientists.

Highlights of the 2017 conference include more than 320 paper and poster presentations. Three preconference workshops will be held on topics such as Big Data Science; Challenges and Lessons Learned from Managing Multi-Site Clinical Trials; and Simulation Based Research: Learn How to Conduct It and Get Your Results Published.

The opening keynote address titled Nursing Science & Data Science: Synergies to Advance Health Equity & Policy will be provided by our distinguished colleague Suzanne Bakken, PhD, RN, FAAN, FACMI, the Alumni Professor of Nursing and Professor of Biomedical Informatics at Columbia University. Our closing keynote address titled Relationship-Based, Person-Centered Big Data Nursing Science will be given by our own longstanding and dedicated MNRS member Connie White Delaney, RN, PhD, FAAN, FACMI, Professor and Dean, University of Minnesota School of Nursing and Fellow in the College of Medical Informatics.

We hope you will join us for this year’s conference and take advantage of the opportunities to hear the latest nursing research and network with old and new colleagues and friends.

I look forward to seeing you in Minneapolis!

Susan M. Rawl, PhD, RN, FAAN
President, Midwest Nursing Research Society
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Minneapolis, MN

Kristine M.C. Talley, PhD, GNP-BC, RN
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Minneapolis, MN

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Brookings, SD

Victoria Lynn Strauser Britson, PhD APRN CNP FNP-BC CNE
South Dakota State University
Sioux Falls, SD

**2018 PRIMARY HOST SCHOOL REPRESENTATIVES**
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Case Western Reserve University
Cleveland, OH

Patricia A. Higgins, RN, PhD
Case Western Reserve University
Cleveland, OH

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Samantha Adams
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**MEETING COORDINATOR**
Erin O’Leary
eoleary@mnrs.org
CONFERENCE OBJECTIVES:
• Describe emerging big data opportunities to improve health
• Compare and contrast emerging methods for big data science
• Analyze future directions for harnessing big data for nursing and health research

THURSDAY, APRIL 6, 2017

PRE-CONFERENCE WORKSHOPS – FULL DAY*
*see registration form for workshop fees

8:30 AM – 4:30 PM  WS1: Big Data Science
This preconference provides attendees the opportunity to understand the national nursing and inter-professional research context for large data science, the power and limitations of predictive and visualization analytics to ascertain patterns, trends, and evidence that will guide patient care, care management, risk management, patient satisfaction, and decision support. The volume, variety, and velocity of Big Data and the challenges of wisely leveraging these data to support solutions for practice and scholarship will be addressed. The workshop will also examine Big Data and its core relationship to nursing science through predictive analytics and research exemplars in nursing and foster description of essential next steps to promote nursing science within the NINR, etc. Attendees will also learn strategies for ensuring comparable nursing data in electronic health records; other sources reflecting the geographic, behavioral, environmental, and social determinants of patient health; and research databases.

PRE-CONFERENCE WORKSHOPS – HALF DAY*
*see registration form for workshop fees

8:30 AM – 12:00 PM  WS2: Challenges and Lessons Learned from Managing Multi-Site Clinical Trials
In this workshop, senior researchers discuss challenges and lessons learned from managing multi-site clinical trials. In an interactive session, five major pitfalls will be presented along with suggestions for avoiding these issues. Drawing upon experiences encountered while launching a multi-site study of four emergency departments, identified barriers and important strategies for overcoming these barriers will be discussed.

1:00 PM – 4:30 PM  WS3: Simulation Based Research: Learn How to Conduct It and Get Your Results Published
This workshop will teach participants how to design studies using simulation based interventions based on solid research principles. Using a case study approach we will take participants through a sample simulation research project. In it participations will have an opportunity to learn how to develop a research study specific to simulation and to advance their work for publication.

EVENING EVENTS

5:30 PM – 7:00 PM  New Member Orientation & Breakout Sessions (Regular and Student)
5:30 PM – 6:30 PM  Associate Deans of Research Meeting
5:30 PM – 6:30 PM  Research Interest Groups (RIG) Chairs’ Meeting
7:00 PM – 8:00 PM  Welcome Reception and International Meet and Greet
### FRIDAY, APRIL 7, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 AM – 7:00 AM</td>
<td>Health Promotion Activity</td>
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<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Continental Breakfast</td>
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<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Research Interest Group (RIG) Meeting: Qualitative Methods</td>
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<td>Research Interest Group (RIG) Meeting: Pediatric</td>
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<td>8:00 AM – 5:00 PM</td>
<td>Career Advancement Center</td>
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<td>8:45 AM – 10:00 AM</td>
<td>Welcome by MNRS President</td>
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<td>Opening Keynote Address</td>
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<td></td>
<td>Nursing Science &amp; Data Science: Synergies to Advance Health Equity &amp; Policy</td>
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<tr>
<td></td>
<td>Suzanne Bakken, PhD, RN, FAAN</td>
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<tr>
<td>10:30 AM – 11:30 AM</td>
<td>Research Interest Group (RIG) Meeting: Decision Making</td>
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<td>Research Interest Group (RIG) Meeting: Pain &amp; Symptom Management</td>
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<tr>
<td>10:30 AM – 12:00 PM</td>
<td>NINR Roundtable Session</td>
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<tr>
<td>10:30 AM – 12:00 PM</td>
<td>Poster Discussion Forum</td>
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<tr>
<td></td>
<td>PD1 Health Promoting Behaviors across the Lifespan</td>
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<td>PD2 Health of Diverse Populations</td>
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<tr>
<td>10:30 AM – 12:00 PM</td>
<td>Session 1: Symposia and Papers</td>
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<td>PS1 Women’s Health &amp; Transitions in Childbearing</td>
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<td></td>
<td>PS2 Health Systems, Policy &amp; Informatics I</td>
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<td>PS3 Pediatrics I</td>
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<td>SY1 Symposium: Use of Lifestyle Trackers to Advance Personalized Health Promotion Interventions across the Lifespan</td>
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<td>SY2 Symposium: Empirical Examples to Improve Transitions and Function to Guide Care for Older Adults</td>
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<tr>
<td>12:00 PM – 1:30 PM</td>
<td>Lunch on Own</td>
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<td>12:00 PM – 1:30 PM</td>
<td>ESN Luncheon: Collaboration among DNP and PhD-Prepared Nurses</td>
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<td>(Additional $15 fee; must pre-register)</td>
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<tr>
<td>1:30 PM – 2:30 PM</td>
<td>Research Interest Group (RIG) Meeting: Self Care</td>
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<td>Research Interest Group (RIG) Meeting: Family Section</td>
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<td>1:30 PM – 3:00 PM</td>
<td>Poster Discussion Forum</td>
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<td>PD3 Pediatrics</td>
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<tr>
<td>1:30 PM – 3:00 PM</td>
<td>Session 2: Symposia and Papers</td>
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<td>PS4 Acute and Critical Care across the Lifespan</td>
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<td>PS5 Public Health</td>
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<td>PS6 Health of Diverse Populations I</td>
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<td></td>
<td>PS7 Gerontological Nursing Science I</td>
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<td>SY3 Symposium: Care of Women in Health, Reproductive Transitions, and Illness</td>
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<td>SY4 Symposium: Improving Family Health across the Lifespan: Clinical Translation and Family Science</td>
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<tr>
<td>2:30 PM – 3:30 PM</td>
<td>Research Interest Group (RIG) Meeting: Translational Science</td>
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<td>Research Interest Group (RIG) Meeting: Public Health</td>
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<tr>
<td>3:00 PM – 4:30 PM</td>
<td>Poster Session 1 in Exhibit Hall</td>
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<td>Includes: BSN and MN/MSN Posters</td>
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<tr>
<td>4:00 PM – 5:00 PM</td>
<td>Research Interest Group (RIG) Meeting: Women’s Health &amp; Transitions in Childbearing</td>
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<tr>
<td>4:30 PM – 6:00 PM</td>
<td>NINR Roundtable Session</td>
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<tr>
<td>4:30 PM – 6:00 PM</td>
<td>Poster Discussion Forum</td>
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<td>PD4 Acute and Critical Care across the Lifespan</td>
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<tr>
<td>4:30 PM – 6:00 PM</td>
<td>Session 3: Symposia and Papers</td>
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<td>PS8 Nursing Education I</td>
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<td>PS9 Family</td>
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<td>PS10 Pain and Symptom Management</td>
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<td>PS11 Health of Diverse Populations II</td>
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<td>SY5 Symposium: Implementation Science</td>
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<td>SY6 Symposium: Building Foundations for Teaching Strategies and Learner Outcomes for Tomorrow’s Nursing Education</td>
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<tr>
<td>6:15 PM – 8:00 PM</td>
<td>Host Schools Reception</td>
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### SATURDAY, APRIL 8, 2017

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 AM – 7:00 AM</td>
<td>Health Promotion Activity</td>
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<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Continental Breakfast</td>
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<tr>
<td>7:30 AM – 12:00 PM</td>
<td>Foundation Board Meeting</td>
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<td>8:00 AM – 5:00 PM</td>
<td>Career Advancement Center</td>
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<td>8:00 AM – 9:00 AM</td>
<td>Research Interest Group (RIG) Meeting: Research Thru Academic-Clinical Partnerships</td>
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<td>Research Interest Group (RIG) Meeting: Adolescent Health</td>
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<tr>
<td>9:00 AM – 10:30 AM</td>
<td>NINR Roundtable Session</td>
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<td>9:00 AM – 10:30 AM</td>
<td>Poster Discussion Forum</td>
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<td></td>
<td>PD5 Health Systems, Policy &amp; Informatics</td>
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<td>PD6 Adolescent Health</td>
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<tr>
<td>9:00 AM – 10:30 AM</td>
<td>Session 1: Symposia and Papers</td>
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<td>PS12 Health Promoting Behaviors across the Lifespan</td>
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<td>PS13 Nursing Education II</td>
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<td>PS14 Gerontological Nursing Science II</td>
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<td>SY7 Symposium: Activation as a Key Concept in Self-care</td>
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<td>SY8 Symposium: The Interface between Sleep and Chronic Disease</td>
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<td>SY9 Symposium: Recruiting, Engaging, and Retaining Difficult-to-Reach Populations in Longitudinal Research</td>
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<tr>
<td>9:30 AM – 10:30 AM</td>
<td>Research Interest Group (RIG) Meeting: Acute and Critical Care across the Lifespan</td>
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<td>Research Interest Group (RIG) Meeting: Health Systems Policy and Informatics</td>
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<tr>
<td>11:00 AM – 12:00 AM</td>
<td>Research Interest Group (RIG) Meeting: Health Promoting Behaviors across the Lifespan</td>
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<td>Research Interest Group (RIG) Meeting: Gerontological Nursing Science</td>
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<tr>
<td>11:00 AM – 12:30 PM</td>
<td>Poster Discussion Forum</td>
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<td>PD7 Women’s Health &amp; Transitions in Childbearing</td>
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### Session 2: Symposia and Papers
- **PS15** Health Systems, Policy & Informatics II
- **PS16** Family Section
- **PS17** Qualitative Methods
- **SY10** Symposium: Innovative Methods in Pain and Symptom Science: Tools, Models, and Interventions
- **SY11** Symposium: Strategies for Building Self-Management Interventions across High-Risk Populations to Improve Health Outcomes

### SUNDAY, APRIL 9, 2017

<table>
<thead>
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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:30 AM – 9:00 AM</td>
<td>ESN/MNRS Board Meet &amp; Greet</td>
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<tr>
<td>8:30 AM – 10:00 AM</td>
<td>Junior Faculty Career Development: Articulating Investigator Scientific Impact</td>
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<tr>
<td>10:15 AM – 11:15 AM</td>
<td>Closing Keynote Address</td>
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<td>Relationship-Based, Person-Centered Big Data Nursing Science</td>
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<td>Dean Connie White Delaney, RN, PhD, FAAN, FACMI</td>
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</tbody>
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GENERAL INFORMATION

HOTEL INFORMATION

Hyatt Regency Minneapolis
1300 Nicollet Mall
Minneapolis, MN 55403

MNRS has secured a discounted sleeping room rate for our conference attendees. Please note that there are a limited number of double occupancy rooms and these will be filled on a first-come, first-served basis. You must specify that you need two (2) beds at the time you make your reservation. The guest room rate includes complimentary access to the fitness center.

Single/Double: $169.00/night
Triple: $179.00/night
Quad: $189.00/night

The discounted room rate will be available through March 14, 2017, or until the group block is sold out, whichever comes first. After this date the prevailing rates for the hotel will apply.

Reservations can be made online using the link below or by calling (888)421-1442. Be sure to reference “MNRS Conference” to receive the discounted rate.

CLICK HERE TO MAKE YOUR ROOM RESERVATION ONLINE
https://aws.passkey.com/go/MNRSMPLS17

TRAVEL INFORMATION

Minneapolis-St. Paul International Airport
Located approximately 12 miles from the hotel.

Click here https://www.mspairport.com/GroundTransportation.aspx for ground transportation information.

Light rail service is available from the airport to downtown Minneapolis. From the Nicollet Mall stop, it is approximately ¼ of a mile to the Hyatt Regency Minneapolis. One-way fare on the Light Rail is between $1.75 – $2.25 depending on the time of day. The downtown Minneapolis area has a network of enclosed walkways called the Minneapolis Skyway in the event of inclement weather. Details can be found here. www.metrotransit.org/light-rail.

Parking Information for the Hyatt Regency Minneapolis
Valet: $42/day
Self-parking overnight: $19/day

Parking in Minneapolis
For additional parking options, please visit http://www.alliedparkinginc.com/find-parking, choose the Hyatt Regency Minneapolis as your destination, and compare the rates at the nearby parking lots.

REGISTRATION

All attendees must register for the meeting. Register early and get the discounted pre-registration fee. The Early Bird deadline is Friday, March 10, 2017.

The registration fees are listed on the registration form which you can view online or on the Registration page of the MNRS website. Please note that the Pre-Conference Workshops on Thursday, April 6, are an additional fee and are not included in the MNRS conference registration fee.

Save time! Register online here.

CANCELLATIONS/REFUNDS

Cancellations received in the MNRS office by March 15, 2017 will be refunded minus a $50 processing fee. Cancellations must be made in writing and faxed to 856-439-0525 or emailed to eoleary@mnrs.org. No refunds will be granted after March 15, 2017.

MNRS reserves the right to cancel any event due to insufficient registration or any unforeseen circumstances. It also has the right to substitute presenters if those originally scheduled cannot attend.

MNRS FOUNDATION RAFFLE

The MNRS Foundation will be holding a raffle to raise funds to support the Foundation grants awarded each year to our members. Raffle items will be displayed near the MNRS Conference Registration desk and attendees will be able to purchase tickets for chances to win raffle items. Raffle items will range from hotel rooms to gift baskets to consultations with nurse scientists. The raffle items will be displayed from Thursday, April 6th through 2:00 PM on Saturday, April 8th. The MNRS Foundation is requesting donations from member schools to make this raffle as successful as possible. Schools will compete to see who can raise the most money for the Foundation based on the number of tickets received for each of their raffle items. The school with the most tickets will take home the coveted Foundation Rollercoaster trophy. For further information, please contact Amy Barra at abarra@mnrs.org.

CONTINUING EDUCATION CREDITS

All Pre-Conference Workshops include the cost for CE credits.

If you wish to receive CE credits for qualifying sessions on Friday, April 7; Saturday, April 8; or Sunday, April 9, you will need to pay a $60 processing fee at the time you register.

Nurse

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

This course is co-provided by Amedco and the Midwest Nursing Research society (MNRS). Maximum of 19.50 (Pre-conference 7.0, Friday 5.5, Saturday 4.5 and Sunday 2.5).
Join a School of Nursing where research is a priority, collaboration is the norm and discoveries are translated into effective practice through dynamic partnerships. We seek tenure and tenure-track faculty who wish to grow their program of research in a supportive, interdisciplinary environment.

We Offer
- Professorships and chairs
- Global partnership engagement
- Big data research opportunities & support
- Faculty mentoring
- 12th ranked nursing graduate school (US News & World Report)

Research Areas of Excellence
- Health/nursing informatics and system innovation
- Prevention and management of chronic health conditions
- Health promotion among vulnerable populations
- Symptom management

ADVANCE YOUR CAREER AT THE UNIVERSITY OF MINNESOTA

Ranked #2 in nursing informatics graduate education

SCHOOL OF NURSING
University of Minnesota

Primary host of MNRS 2017! Visit our exhibit

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nursing.umn.edu
612-624-5959