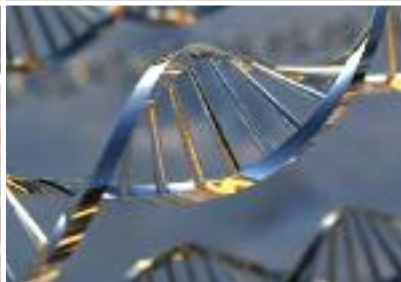
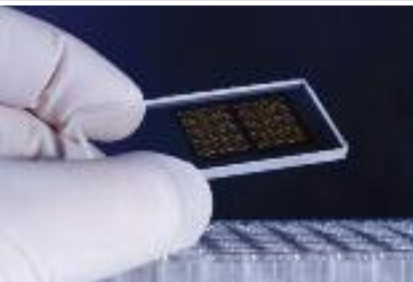


Onsite
Program

Technology, Genetics and Beyond:

RESEARCH METHODOLOGIES OF THE FUTURE



OCTOBER 14, 2009 • OMNI SHOREHAM HOTEL • WASHINGTON, DC



The Council for the
Advancement of Nursing Science

Better Health through Nursing Science

An Open Membership Council of the American Academy of Nursing



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LETTER FROM THE STEERING COMMITTEE CHAIR

DEAR PROGRAM PARTICIPANTS

On behalf of the Council for the Advancement of Nursing Science, I'd like to welcome you to the 2009 Special Topics Conference, "Technology, Genetics and Beyond: Research Methodologies of the Future". We hope that you enjoy the excellent slate of speakers that the Planning Committee developed. Our goal for the Special Topics conferences, which occur in the fall of the odd calendar years, is to provide an update on the most innovative research methods available to supply you with the skills needed to move your programs of research forward. We hope we have succeeded in this goal!

The Council is an open membership council of the American Academy of Nursing and welcomes all those persons and organizations interested in the mission of the Council, "Better Health through Nursing Science". Over the last couple of years, the Council has more fully realized our mission due in large part to our supporters, beginning with the American Academy of Nursing and the National Institute of Nursing Research, as well as many other nursing organizations. We plan to continue this forward movement by increasing our membership and influence. Help us do this by encouraging your colleagues and students to join the Council so they too can become part of our important mission and participate in the generation and dissemination of new science.

Please plan to join us next year September 27th–29th for the 2010 National State of the Science Congress on Nursing Research. We hope that you will also consider submitting an abstract for the Congress. The abstract submission site is open until January 15, 2010, for more information visit the Council's website www.nursingscience.org.

A big thank you to the Conference Planning Committee for their hard work preparing this conference; we are grateful to you!

Again, welcome to all of you, and enjoy the conference!

Sincerely,

Margaret Heitkemper, PhD, RN, FAAN
Chair, Steering Committee, Council for the Advancement of Nursing Science

LETTER FROM THE PLANNING COMMITTEE CO-CHAIRS

DEAR COLLEAGUES

Welcome to the Council's 2009 Special Topics Conference, "Technology, Genetics and Beyond: Research Methodologies of the Future". We are pleased that you are here with us today to explore the recent research developments in the fields of technology and genetics. With all the recent advancements in both these fields we want to take this opportunity to showcase and explore the importance and relevance they have to nursing research and the profession as a whole.

The morning session will highlight recent discoveries made incorporating genomic markers into nursing research; focus on the conceptual as well as practical issues (e.g., cost, recruitment) of using genomic markers within the context of a research study; and consider the ethical issues that emerge from the inclusion of genomic markers.

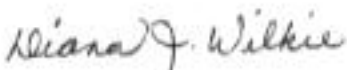
In the afternoon the speakers will examine cutting edge research where technology has been used to enhance patients' and families' abilities to make decisions about health care; the advantages and disadvantages of using electronic data collection devices; and strategies for using technology to facilitate multi-site nursing studies.

Again, we are delighted that you chose to share this experience with us and hope you will take part in the panel discussions. Enjoy the day!

Sincerely,



Christine Miaskowski, PhD, RN, FAAN
2009 Program Committee Co-Chair



Diana Wilkie, PhD, RN, FAAN
2009 Program Committee Co-Chair



PLANNING COMMITTEE MEMBERS

Christine Miaskowski, PhD, RN, FAAN
Committee Co-Chair

Diana J. Wilkie, PhD, RN, FAAN
Committee Co-Chair

Margaret Heitkemper, PhD, RN, FAAN

Ginette A. Pepper, PhD, RN, FAAN

TARGET AUDIENCE

This program is designed to target the needs of nurse scientists; faculty members, pre- and post-doctoral fellows, and undergraduate and graduate students in nursing and the health sciences; vendors; and supporters of nursing science. The expected audience will also include interdisciplinary colleagues in informatics, statistics, public health and other health-related disciplines.

CONFERENCE OBJECTIVES

- Highlight recent discoveries made by incorporating genomic markers into nursing research focusing on the conceptual as well as practical issues within the context of a research study.
- Consider the ethical issues which emerge from the inclusion of genomic markers.
- Examine cutting edge research in which technology has been used to enhance patients' and families' abilities to make decisions about health care
- Explore the advantages and potential disadvantages to using electronic data collection devices and strategies for using technology to facilitate multi-site nursing studies.

Membership

COUNCIL MEMBERSHIP INFORMATION

All persons interested in the mission of the **Council**, “*Better Health through Nursing Science*” are invited to renew their membership or become new members of the **Council**.

The Council was established in 2000 as the research policy and facilitation arm for the American Academy of Nursing (AAN). The goals of the Council are to be a strong voice for nurse scientists at the national and international levels to support the development, conduct and utilization of nursing science, to share research findings among individuals and groups in scientific and lay communities, and to facilitate lifelong learning opportunities for nurse scientists.

Fellowship in the AAN is not required for membership in the Council.

Any nursing researcher or friend of nursing research is eligible for membership in the **Council**.

Being a member of the Council for the Advancement of Nursing Science offers you opportunities to:

1. **Network** with peers for **National Advocacy** of nursing science
2. Evolve a **National Agenda** for nursing science with national colleagues for national impact
3. Celebrate (nominate or win) biennial **Recognition Awards** for *Outstanding Investigator* and *Investigator with a Brilliant Future*
4. Register at **Reduced Rates** for biennial State of the Science and Special Topics nursing science conferences sponsored by the Council
5. Access **Seed Money Grants** up to \$25,000 for research sponsored by the Council

For more detailed membership information or to join please visit the Council Web site!

www.nursingscience.org

Conference Sponsors

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Historical Highlights

HISTORICAL HIGHLIGHTS OF THE COUNCIL FOR THE ADVANCEMENT OF NURSING SCIENCE

After the ANA restructured and disbanded the Council of Nurse Researchers, American Academy of Nursing (AAN) Board members in the late 1990s recognized the need to create a national nursing research organization. Thus, the **Council for the Advancement of Nursing Science**, an open membership entity of the AAN, was established in 2000 to foster *Better Health through Nursing Science*. The goals of the **Council** are to be a strong voice for nurse scientists nationally and internationally in support of the development, conduct and utilization of nursing science, to share research findings across individuals and groups in scientific and lay communities, and to facilitate life-long learning opportunities for nurse scientists.

Conceived as a partnership with existing research groups or groups providing substantive researcher support, a consortium-type steering committee was convened to guide the **Council**. The founding steering committee from 1998–2002, chaired by Dr. Bill Holzemer (University of California — San Francisco), included representation from the four regional nursing research societies (Eastern, Midwest and Southern Nursing Research Societies and Western Institute of Nursing); the Association of Women's Health, Obstetric and Neonatal Nurses; the American Nurses Foundation (ANF); Sigma Theta Tau International (STTI); and the National Institute of Nursing Research (NINR) (ex-officio).

Council agenda and operating logistics have evolved steadily through steering committee deliberations under the guidance of Dr. Lauren Aaronson (University of Kansas, 2002–2004), Dr. Marilyn Sommers (University of Pennsylvania, 2004–2008), and Dr. Margaret Heitkemper (University of Washington, 2008–2010) as AAN Board-appointed chairs. The steering group continues with representation from the four regional nursing research societies, STTI, ANF and NINR (ex-officio).

Prior to and coincidental with the formation of the **Council**, national biennial State of the Science Congresses on Nursing Research were held, originally through university sponsorships but ultimately with the support of the National Nursing Research Roundtable and through a consortium of nursing organizations with rotating leadership. For 2002, the meeting was chaired by American Association of Colleges of Nursing (AACN) and STTI. In order to ensure and build consistency and planning by active nursing scientists, and to further its mission, the **Council**

received support to spearhead and sustain ongoing State of the Science Nursing Research Congresses, starting with the 2004 meeting. The State of the Science meeting along with Special Research Topics Conferences on the alternate (odd number) years form the main **Council** agenda platform, along with funding seed money grants through ANF and STTI, participating in the National Nursing Research Roundtable, and analyzing and speaking out on research development and policy issues on behalf of and in concert with the AAN.

The **Council**, ANA, ANF and AAN leadership are grateful to the organizations that helped initiate and sustain the State of the Science Congress and acknowledge them as founding partners. These include the Agency for Healthcare Research and Quality; American Association of Colleges of Nursing; American Association of Critical Care Nurses; American Nephrology Nurses Association; American Organization of Nurse Executives; American Psychiatric Nurses Association; Association of Academic Health Centers; Association of Rehabilitation Nursing; Association of Women's Health, Obstetric, and Neonatal Nursing; Eastern Nursing Research Society; Emergency Nurses Association; Friends of the National Institute of Nursing Research; Midwest Nursing Research Society; National Council for State Boards of Nursing; National Institute of Nursing Research; National League for Nursing; Oncology Nursing Society; Rehabilitation Nursing Foundation; Sigma Theta Tau International; Southern Nursing Research Society; and Western Institute of Nursing.

We welcome all nursing researcher, healthcare researchers and organizations committed to furthering healthcare research to participate as members of the Council for the Advancement of Nursing Science!

**For more information please visit
www.nursingscience.org**

Schedule of Events

TUESDAY, OCTOBER 13TH

4:00 – 8:00 pm

Registration

Palladian Foyer

WEDNESDAY, OCTOBER 14TH

7:00 am – 3:00 pm

Registration

Palladian Foyer

7:00 – 8:30 am

Continental Breakfast

Empire Ballroom

MORNING SESSIONS: USING GENETIC MARKERS IN HEALTH RESEARCH

8:30 – 8:45 am

Welcome

Margaret Heitkemper, PhD, RN, FAAN
Steering Committee Chair

Pamela Mitchell, PhD, RN, FAHA, FAAN
AAN President
Palladian Ballroom

8:45 – 9:15 am

The Promise of Genetic Markers

Christine Miaskowski, PhD, RN, FAAN
University of California — San Francisco
Palladian Ballroom

9:15 – 10:00 am

Practical Considerations in Genomic Research

Yvette Conley, PhD
University of Pittsburgh
Palladium Ballroom

10:00 – 10:30 am

Break

Palladian Foyer

10:00 am – 12:00 pm

One-on-One with NINR Directors

Committee Room

10:30 – 11:15 am

Ethical Considerations in Genomics Research

Elizabeth Thomson, DNSc, MS, RN, CGC,
FAAN
National Human Genome Research
Institute
Palladium Ballroom

11:30 am – 12:00 pm

The Do's and Don'ts of using Genetic Markers

Panel Discussion
Facilitator: Christine Miaskowski, PhD,
RN, FAAN
Palladium Ballroom

12:00 – 1:30 pm

Lunch and NINR Update

Patricia Grady, PhD, RN, FAAN
National Institute of Nursing Research

NINR Pre- and Post- doc Poster Session

Empire Ballroom

AFTERNOON SESSIONS: EMERGING TECHNOLOGIES FOR DATA GATHERING AND INTERVENING

1:30 – 3:30 pm

One-on-One with NINR Directors

Committee Room

1:30 – 2:00 pm

Gathering Comprehensive Symptom Self-reports

Diana Wilkie, PhD, RN, FAAN
University of Illinois — Chicago
Palladium Ballroom

2:00 – 2:30 pm

Computerized Interventions and Health Literacy

Usha Menon, PhD, RN
Arizona State University
Palladium Ballroom

2:30 – 3:00 pm

Data Gathering Design and Management Challenges

Suzanne Bakken, DNSc, RN, FACMI,
FAAN
Columbia University
Palladium Ballroom

3:00 – 3:30 pm

Using Technologies across Sites

Patricia Brennan, PhD, RN
University of Wisconsin — Madison
Palladium Ballroom

3:30 – 4:00 pm

Q & A

Facilitators
Christine Miaskowski and Diana Wilkie
Palladium Ballroom

4:15 – 4:30 pm

Closing Remarks

Speaker Biographies

Suzanne Bakken, DNSc, RN, FACMI, FAAN



Suzanne Bakken is the Alumni Professor of Nursing and Professor of Biomedical Informatics at Columbia University. She currently directs the Center for Evidence-based Practice in the Underserved and the Reducing Health Disparities Through Informatics (RHeaDI) pre- and post-doctoral training program; both funded by the National Institute of Nursing Research (NINR). Dr. Bakken currently serves as a member of the

Board of Scientific Counselors for the National Library of Medicine and as member of the National Institutes of Health Study Section on Nursing Science for Adults and Older Adults. She is an elected fellow of the American Academy of Nursing, the American College of Medical Informatics, the New York Academy of Medicine, and the Institute of Medicine.

Patricia Brennan, PhD, RN, FAAN



Patricia Flatley Brennan is the Lillian L. Moehlman Bascom Professor, School of Nursing and College of Engineering, University of Wisconsin-Madison, Madison, Wisconsin. Currently Chair of the Department of Industrial and Systems Engineering in the College of Engineering, Dr. Brennan received a Masters of Science in Nursing from the University of Pennsylvania and a PhD in Industrial Engineering from the University

of Wisconsin-Madison. Following seven years of clinical practice in critical care nursing and psychiatric nursing, Dr. Brennan held several academic positions. She developed the ComputerLink, an electronic network designed to reduce isolation and improve self-care among home care patients. Dr. Brennan currently directs HeartCare, a WWW-based tailored information and communication service that helps home-dwelling cardiac patients recover faster, and with fewer symptoms. Dr. Brennan is National Program Director of Project HealthDesign, a RWJ-funded initiative designed to stimulate the next generation of personal health records. Additionally, she leads the WI-TECNE project, a state-wide nursing faculty development effort supported by HRSA that will improve the integration of informatics and telehealth into nursing curricula. A fellow of both the American Academy of Nursing (1991) and the American College of Medical Informatics (1993), Dr. Brennan was elected to the of the Institute of Medicine in 2002.

Yvette P. Conley, PhD



Yvette Conley is an Associate Professor of Nursing and Human Genetics at the University of Pittsburgh. She is devoted to educating nurses and nurse scientists. She is the author of the Genetics Online Education Series offered through the Oncology Nursing Society, is a faculty member for the National Institute of Nursing Research Summer Genetics Institute and co-director of an NIH training program titled "Targeted

Research and Academic Training of Nurses in Genomics". Dr. Conley has a fully equipped molecular genomics laboratory that conducts NIH funded research focusing on the contribution of genetic variation to patient outcomes after neurological insult.

Patricia Grady, PhD, RN, FAAN



Patricia A. Grady was appointed Director of the National Institute of Nursing Research on April 3, 1995. Dr. Grady was formerly with the National Institute of Neurological Disorders and Stroke (NINDS), where she served first as Deputy Director and then Acting Director. She earned her undergraduate degree in nursing from Georgetown University in Washington, DC. She pursued her graduate education at the University of

Maryland, receiving a master's degree from the School of Nursing and a doctorate in physiology from the School of Medicine. Under Dr. Grady's leadership at NINR, the Institute has more than doubled its budget and significantly increased the number of research and training grants awarded. Throughout her tenure as Director, Dr. Grady has supported several major NINR initiatives focusing on pain management, end-of-life care, self-management of chronic illness, and care giving research. She has also supported the development of research and training opportunities for new researchers, including the NINR Summer Genetics Institute (SGI), a very successful two-month research training program that targets nursing faculty, graduate students, and advanced practice nurses in order to expand understanding and competency in genetics and related research. NINR collaborates with the other NIH Institutes and Centers in investigations that better the health of the nation, and Dr. Grady serves as a Co-Chair to both the NIH Roadmap

Speaker Biographies continued

Committee on Research Teams of the Future and the NIH Public Trust Initiative. Dr. Grady has authored or co-authored numerous published articles and papers on hypertension, cerebrovascular permeability, vascular stress, and cerebral edema. She is an editorial board member on the journals: *Stroke*; *Journal of Stroke and Cerebral Vascular Diseases*; and *Neuro Rx*, The Journal of the American Society for Experimental NeuroTherapeutics. Dr. Grady lectures and speaks on a wide range of topics, including future directions in nursing research, developments in the neurological sciences, and federal research opportunities.

Usha Menon, PhD, RN



Usha Menon is the Pamela Kidd Distinguished Researcher Professor in the College of Nursing and Health Innovation at Arizona State University. Her research focuses on the development and testing of tailored interventions to increase cancer screening behavior. A major emphasis of this research has been on the reduction of health disparities in cancer prevention and increasing early detection among

vulnerable populations. She has been funded by the National Institutes of Health and national foundations. Dr. Menon teaches across nursing curricula including graduate elective courses in conducting interventions with diverse populations, and conducting integrative literature reviews. In her previous academic role she has served as the Co-Director of the Community Engagement & Research Core of the Center for Clinical Translational Sciences, Co-PI of the Cancer Education and Career Development Program to train pre and post doctoral fellows across biological and behavioral cancer control research, and Co-PI of the P60 Center for the Elimination of Health Disparities at the University of Illinois-Chicago. Dr. Menon chaired and taught two Nursing Research Institutes nationally for the Oncology Nursing Society/Foundation, mentoring junior faculty to develop programs of research in oncology nursing. She is the 2006 recipient of the first *Investigator with a Brilliant Future Award* from the American Academy of Nursing/Council for the Advancement of Nursing Science. Dr. Menon is a recognized expert in behavior change theory and interventions and is a frequent consultant and speaker to national and international groups of researchers, clinicians, and community members.

Christine Miaskowski, PhD, RN, FAAN



Christine Miaskowski is a Professor in the Department of Physiological Nursing, Associate Dean for Academic Affairs, and Sharon A. Lamb Endowed Chair, in the School of Nursing at the University of California in San Francisco. She received her Bachelor's Degree in Nursing from Molloy College in New York. She has a Master's degree in Nursing from Adelphi University and a Master's degree in Biology and a PhD in Physiology from St.

John's University in New York. After completing her doctoral degree she traveled to the West Coast where she completed a postdoctoral fellowship as a Robert Wood Johnson Clinical Nurse Scholar.

Dr. Miaskowski is active in numerous professional organizations and has served on the Board of Directors of the Oncology Nursing Society, the American Pain Society, and the International Association for the Study of Pain. She was the first nurse elected President of the American Pain Society. She has received numerous honors and awards including the Distinguished Researcher Award from the Oncology Nursing Society, the Distinguished Merit Award from the International Society of Nurses in Cancer Care, and the Wilbert Fordyce Clinical Investigator Award from the American Pain Society. In addition, she received the Distinguished Service Award from the Oncology Nursing Society and the American Pain Society.

Dr. Miaskowski is an internationally recognized expert in pain and symptom management who has authored over 300 articles and four books. Her program of research focuses on determining which demographic, clinical, and genotypic characteristics predict patients with the most severe symptoms, evaluating the deleterious effects of unrelieved symptoms on patient outcomes, and developing and testing interventions to decrease symptoms in patients with cancer.

Speaker Biographies continued

Elizabeth J. Thomson, DNSc, MS, RN, CGC, FAAN



Elizabeth Thomson received a diploma (1971) and Bachelor of Science in Nursing (1975) from St. Luke's Hospital School of Nursing and Coe College in Cedar Rapids, Iowa; a Master of Science degree (1983) in Preventive Medicine and Environmental Health from the University of Iowa, Iowa City, Iowa; and a Doctoral Degree in Nursing Science (2005) from the Johns Hopkins University School of Nursing, Baltimore, MD. In

1981, Dr. Thomson became one of the first board-certified in genetic counselors in the US (American Board of Medical Genetics).

After beginning her career in maternal child nursing, in 1976, Dr. Thomson began providing genetic counseling services, becoming the coordinator of the statewide genetic services program at the University of Iowa, a position she held until the end of 1992. In 1993, Dr. Thomson accepted a position at the National Institutes of Health where she currently serves as Program Director, Ethical, Legal, and Social Implications Research of the National Human Genome Research Institute.

Dr. Thomson co-edited the books, "Women and Prenatal Testing: Facing the Challenges of Genetic Technology") and "Genetics and Public Health". She co-authored several papers published in the *Journal of the American Medical Association* regarding informed consent for genetics research using stored tissues, follow up recommendations for those found to have inherited breast, ovarian, and colon cancer risks, and genetic testing for hereditary hemochromatosis. More recently, she co-authored the paper, "Nursing Leadership in Genomics for Health and Society" in the *Journal of Professional Nursing*.

Dr. Thomson has received numerous honors and awards, including the NIH Director's Award in 1997 and 2008; the International Society of Nurses in Genetics Founders' Award for Research and Scholarship in 1997; the Edward Rhodes Stitt Lecture Award from US Surgeon General, Dr. David Satcher, in 1998. In 1999, Dr. Thomson was elected to become a fellow of the American Academy of Nursing and in 2003; she received an Award for Distinguished Service by Secretary of the Department of Health and Human Services, Tommy G. Thompson. In addition to other NIH awards, in 2006, Dr. Thomson received an NIH award from the Director of the National Cancer Institute for her work with the Cancer Genome Atlas project and in 2007 received an NIH award from her own Institute Director for her role in developing the Institute's policies for the NHGRI's Medical Sequencing Program.

Diane Wilkie, PhD, RN, FAAN



Diana J. Wilkie is a professor and the Harriet H. Werley Endowed Chair for Nursing Research at the University of Illinois at Chicago College of Nursing. She also is the Director of the Center for End-of-Life Transition Research. She earned her AD in nursing from the University of Hawaii, BSN from Mesa College in Colorado, and MS and PhD in nursing from the University of California at San Francisco. She has been a

cancer pain specialist since 1984. She has been continuously funded for 23 years and has been using informatics in her research for more than 10 years. Her current research includes three randomized clinical trials testing the effects of: 1) massage on hospice patient outcomes; 2) computerized pain assessment, decision support for clinicians and tailored multimedia patient education tools on clinical outcomes in sickle cell disease; and 3) Internet-based, tailored multimedia education about reproductive choices for people with sickle cell disease or trait. She publishes and lectures extensively on pain, palliative care and end-of-life topics.

Save the Date for the

2010 State of the Science Congress on Nursing Research



September 27–29, 2010 • Omni Shoreham Hotel • Washington, DC

Take advantage of an opportunity to share your science and network with national nursing scientists and practice colleagues; submit an abstract! The Council for the Advancement of Nursing Science is **NOW ACCEPTING** abstracts.

Abstracts are due by **January 15th, 2010**. To view more information on abstract submission and to submit an abstract visit:
<http://aan.confex.com/aan/cans10/cfp.cgi>.



The Council for the
Advancement of Nursing Science

Better Health through Nursing Science

An Open Membership Council of the American Academy of Nursing

**For more information contact us at
202.777.1166 or cans@aannet.org**

American Academy of Nursing

36th Annual Meeting & Conference

November 5–7, 2009 • Marriott Atlanta Marquis • Atlanta, GA



Creating an Agenda for a Healthy Society

Join over 700 nurses, health professionals, and experts in health care research, policy, management, and delivery at the American Academy of Nursing's **36th Annual Meeting & Conference.**

Overview

November 5–7, 2009, the Academy will hold a forum to craft ideas to improve the health and well-being of the public in this era of health system reform. Nurse leaders, aspiring nurse leaders, other health professionals, thought leaders, consumers, and policy experts are invited to come together in a participatory event to identify key strategies and specific opportunities for system-wide change. The aim being to improve health care accessibility for children, the elderly, and diverse populations.

We hear you!

According to conference evaluations and targeted surveys, the AAN community wants change. We've taken steps during the planning process to: make the conference greener, engage the membership and encourage attendance, capitalize on the expertise of our members, and ensure that the meeting is cost effective while maintaining quality. We hope to meet these goals while leaving you energized about the experience.

Details

For details on conference schedule, fees, hotel, abstract submission, sponsor and exhibitor opportunities, and registration, visit our Web site, www.aannet.org, or email conferences@aannet.org.

www.aannet.org



American Academy of Nursing

37th Annual Meeting & Conference

November 11–13, 2010 • Grand Hyatt Washington • Washington, DC



Please periodically check the Academy's Web site for announcements regarding the 2010 conference.

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