

NAPE PDI Conference Workshops At A Glance

Tuesday, April 13, 2010

9:15 am - 10:30 am

Workshop I
<p>Women in Green: Opportunities in Environmentally Responsible Occupations</p> <p>This presentation will explore Illinois' examination of programs and initiatives that are in place to support the development and advancement of "Green-Collar Jobs". Also outlined in this presentation is the process developed in VA to prepare students to take the lead in "clean power" and technological industries. Session leaders will discuss the possibilities for women in green-collar career opportunities and explore the unique role of women in contributing to the "greening" of many existing careers. Many of the jobs in the future will use technologies that have not even been created yet, requiring workers to develop skills through on-the-job training. By including businesses in the educational process, students learn real skills that make them more competitive and successful in the workforce of tomorrow.</p> <p><i>Presenters:</i></p> <p>Lynn Reha, Director, Illinois Center for Specialized Professional Support, Normal, IL</p> <p>PJ Dempsey, Director, CTE Promotions, Weldon Cooper Center, UVA, Charlottesville, VA</p> <p>Aimee LaFollette Julian, Assoc. Director of Professional Development, Illinois Center for Specialized Professional Support, Normal, IL</p> <p>Emilie Shoop, Assoc. Director of Technology, Illinois Center for Specialized Professional Support, Normal, IL</p>

Workshop II
<p>Crafting a Comprehensive Pre-Engineering Strategy, With Special Focus on Pre-Engineering Programs</p> <p>Are you looking to start a fun, creative pre-engineering program to engage female students and get them jump started in engineering? If you are, then this workshop is for you! We will review the case for pre-engineering education and then dive into strategies to put into operation, including programs already implemented. A well-liked student activity will be carried out in the workshop. This workshop will be an enjoyable review of programs that will engage your students!</p> <p><i>Presenter:</i></p> <p>Jennifer Schelly, Principal Electro-Optics System Engineer, BAE Systems, Nashua, NH</p>

Workshop III
<p>Overview of 5 Step Improvement Process Utilized with Missouri Career Centers</p> <p>Coordinators, who facilitate the 5 Step Process Improvement Process from the various regions in Missouri, will share how the 5 Step Process has been implemented in Missouri with their career centers and sending high schools. In particular, Career Education Coordinators will share Perkin's nontraditional participants and completion data, how they look at trend data, what tools were utilized to collect additional data and the analysis and "next steps" that have been taken toward implementing promising practices. A summarization of the challenges and success of the process will be shared. A website for a 5 Step Process Facilitator's Guide will be shared.</p> <p><i>Presenters:</i></p> <p>Lori Mann, Career Education Coordinator, Missouri Center for Career Education, Platte City, MO</p> <p>Janet Reppert, Career Education Coordinator, Missouri Center for Career Education, Monett, MO</p> <p>Camille MacDonald, Career Education Coordinator, Missouri Center for Career Education, Poplar Bluff, MO</p>

10:45 a.m. - 12:00 noon

<p>Training Teachers to Attract Girls to High School Computer Science Classes: An NCWIT Extension Services Train-the-Trainer Workshop</p> <p>Workshop participants will learn why there is a need to actively recruit girls into high school computer science classes. They will learn how they can train others to: create messages that influence girls, deliver those messages effectively, and track their results. Participants will practice applying these evidence-based practices, preparing them to help others learn to use the practices in their own environments. Attendees will receive professional quality materials to guide their efforts.</p> <p><i>Presenters:</i></p> <p>Joanne McGrath Cohoon, Senior Research Scientist, National Center for Women and Information Technology, Charlottesville, VA</p> <p>Lecia Barker, Senior Research Scientist, National Center for Women and Information Technology, Austin, TX</p>
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<p>Gender Equity and Technical Education in Vermont: One State's Collaborative Effort to Address the Ever-Changing Needs of both Girls and Boys in Nontraditional Career Studies</p> <p>This workshop highlights innovative strategies for engaging and supporting nontraditional students. The collaborative efforts of Vermont Works for Women (VWW), the Center for Technology, Essex (CTE), Randolph Technical Career Center (RTCC) - and others in Vermont - have brought about successful programs such as the statewide "Women Can Do!" conference, RTCC's "Career Challenge Day", and CTE's "Introduce a Girl to Engineering Day" activities. This workshop will focus on the strength of Vermont's collaborative efforts to benefit students, technical centers, and the state.</p> <p><i>Presenters:</i></p> <p>Kelly Walsh, Program Coordinator, Vermont Works for Women, Winooski, VT</p> <p>Ruth Durkee, Adult Education Coordinator, Randolph Technical Career Center, Randolph, VT</p> <p>Lynn Vera, Guidance Counselor, Center for Technology, Essex, Essex Junction, VT</p>
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<p>Challenging The Gender Gap in Emerging Technologies: Strategies for Recruiting Girls and Women in the New Blue and Green Collar Fields</p> <p>Although careers in green and blue collar jobs provide new and rewarding opportunities, gender stereotypes are a significant factor in educational choices. 35 years after Title IX, girls are still underrepresented in technology classrooms and are graduating with significantly less earning potential than their male counterparts. This workshop will review the factors that contribute to the gender imbalance and discuss targeted interventions within the Career and Technical Education system that are challenging the status quo.</p> <p><i>Presenters:</i></p> <p>Brigitte Watson, Equality Works Program Coordinator, Legal Momentum, New York, NY</p> <p>Sandra McGarraugh, Director, The Net Project, Center for Women in Government & Civil Society, Univ. at Albany, Albany, NY</p> <p>Ivana Nunez, SVA Apprentice: Electrical Installation, Female CTE Graduate, Thomas A. Edison Career and Technical High School, Queens, NY</p>

2:00 p.m. - 3:15 p.m.

<p>Women on the Wires: Bringing Women into Nontraditional Careers in Electric Utilities</p> <p>American Electric Power, the nation's third-largest electric utility, reached out to Hard Hatted Women, a community-based organization, to join in employing more women in nontraditional jobs. You will learn from both organizations how they crafted their partnership and a program that meets their joint and individual goals, while benefiting women with high-wage, high-demand, sustainable employment.</p> <p><i>Presenters:</i></p> <p>Linda Mihalik, Education Consultant, Hard Hatted Women, Cleveland, OH</p> <p>Carol Wintz, Workforce Planning and Development Consultant, American Electric Power Transmission, Gahanna, OH</p>
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<p>Why So Few? What Research Tells us About Girls and Women in Science, Technology, Engineering and Math</p> <p>The American Association of University Women (AAUW) will present recent research findings that help explain the small numbers of women in certain science, technology, engineering, and math (STEM) fields profiled in a Spring 2010 AAUW report. The presentation will be organized around seven research findings and recommendations for change. Topics include: malleability of intelligence, spatial skills learning, stereotype threat, self-assessment, college/university departmental culture, implicit bias, and bias against women in male-dominated environments.</p> <p><i>Presenter:</i></p> <p>Christianne Corbett, Research Associate, American Association of University Women (AAUW), Washington, DC</p>
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<p>A Continuum of Alternative Education Opportunities for All Ages</p> <p>Tulsa Tech is a comprehensive Career Tech facility providing Alternative Education for a wide range of vulnerable populations ages 12-adult. Largest of the alternative programs are the SUCCESS CENTERS located at four campuses providing credit recovery, GED/ACT/SAT preparation, Math & Reading Enhancement, and EOJ tutoring. The Youth Build program engages unemployed adults (18-22) dropouts. YouthBuild provides GED preparation, Construction Skill training, Work-Based experience, and Life Skill instruction. Project H.I.R.E., M.E.N.D.S., and Project M.O.V.E.S. are all unique programs preparing different high-risk adult populations for productive career pathways and employment.</p> <p><i>Presenters:</i></p> <p>Dr. Kara Gae Neal, Superintendent, Tulsa Technology Center, Tulsa, OK</p> <p>Dr. Richard Palazzo, Director of Alternative Education, Tulsa Technology Center, Tulsa, OK</p>
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	Workshop I	Workshop II	Workshop III
<p>Tuesday, April 13, 2010</p> <p>3:15 p.m. - 4:45 p.m.</p>	<p>Single Sex Education in a CTE Context: Forward or Back to the Future?</p> <p>This session will explore: the reasons why CTE educators want to offer single sex classes; the legal landscape under Title IX; the steps required of districts if the Board of Education elects to take affirmative action through single sex course offerings; and alternative strategies for promoting nontraditional enrollment in CTE courses. Discussion of a Wisconsin survey of technology education and pre-engineering teacher on single sex education will be shared, along with results.</p> <p><i>Presenter:</i></p> <p>Barbara Bitters , Assistant Director, Wisconsin Department of Public Instruction, Madison, WI</p>	<p>Successful Workforce Initiatives that WORK for Latinos</p> <p>The National Council of La Raza (NCLR) and its Affiliates will present a workshop on successful workforce initiatives that help Latinos achieve upward economic mobility through education and training. Attendees will learn about "best practices" in job training programs in the health care industry, customer service, retail industry, and the green-collar jobs field. Presentations in this workshop will provide attendees with program models that can be replicated within their communities for their respective constituencies.</p> <p><i>Presenters:</i></p> <p>Srabhi Jain , Manager, Career Pathways Initiatives, National Council of La Raza, Chicago, IL Ingrid Angel , Director, El Barrio, WSEM/El Barrio, Cleveland, OH Ricardo Estrada , Vice President, Education and Programs, Instituto del Progreso Latino, Chicago, IL</p>	<p>Women in the Trades Go Green</p> <p>American River College's Sacramento Transportation Regional Infrastructure Partnership in Education (STRIFE) Pre-apprenticeship training program is providing opportunities for women to learn about renewable energy and energy efficiency applications for entry into apprenticeship training. In a 16 week course, students learn about the tools, equipment, materials, construction, and safety techniques used for building roads, bridges, levees, and rail and learn how "green" is applied. Career choices include Bricklayers/Stone Masons, Carpenters, Cement Masons, Drywall/Lathers, Electricians, Iron Worker, Laborers, Operating Engineers, Pile Drivers, Plumbers, Sheet Metal, Surveyors, and Teamsters. This training provides disadvantaged populations with opportunities that result in high-skill, high-wage employment.</p> <p><i>Presenters:</i></p> <p>Mavis McAllister , STRIFE Pre-Apprenticeship Coordinator, American River College, Sacramento, CA Berta Lloyd , Director of Grant and Special Projects, American River College, Sacramento, CA</p>
<p>Thursday, April 15, 2010</p> <p>9:15 a.m. - 10:30 a.m.</p>	<p>Transformation to Excellence: Discussing Racism and Beyond</p> <p>Racism and discrimination continues to be a part of our society having adverse affects on our neighborhoods, institutions of learning, and the workplace; especially for our young women and women of color. In order to ensure that all have equal access to equitable education and employment that is free of racism, bias, and prejudice that support the intellectual development and growth of women and populations of color, stakeholders must be actively engaged in public conversations about racism and biasness and their impact on the future of our communities, schools, and workforce.</p> <p><i>Presenters:</i></p> <p>Leilani Nalua'I Russell , Director/Educational Leadership, Pathways to Excellence, Vancouver, WA DaVerne Bell, Director/Educational Leadership, Transformation to Excellence, Tacoma, WA</p>	<p>Beyond the "Culture of Poverty" Myth: A Model for Class Equity in Schools and Organizations</p> <p>The national discourse on poverty centers on the "culture of poverty", despite scholarship clarifying that low-income families do not, in fact, share a common set of values or behaviors. As a result, many common practices for addressing poverty focus on "fixing" supposedly deficient low-income people rather than eliminating class inequities. In this presentation I demonstrate how the culture of poverty myth cycles class injustice and will share research-based strategies for creating class equitable organizations and schools.</p> <p><i>Presenter:</i></p> <p>Paul Gorski, Founder, EdChange, Fairfax, VA</p>	
<p>10:45 a.m. - 12:00 noon</p>	<p>Title IX: By...and Beyond...the Numbers</p> <p>The focus on Title IX enforcement in intercollegiate athletics has skewed perception of what the law can and should do. Title IX is a law that says any school receiving federal funding must provide equal opportunities for girls. This session will review a number of SWE's strategies for increasing the participation of women in the STEM fields, with a focus on using Title IX as a high impact legal tool to achieve this goal.</p> <p><i>Presenters:</i></p> <p>Cathy Pieronek , Chair Government Relations and Public Policy Committee, Society of Women Engineers, Notre Dame, IN Betty Shanahan , Executive Director & CEO, Society of Women Engineers, Chicago, IL</p>	<p>Leveraging Grant-Funded Science, Technology, Engineering and Mathematics (STEM) Undergraduate Programs to Optimize Student Success</p> <p>With RFP's being issued to support STEM undergraduates, it is now possible to leverage these resources so that students are fully funded, have access to support services, such as participation in a community of STEM scholars and individualized tutoring sessions, and may experience STEM research through paid internships. In addition, the ability of applicants to demonstrate the leveraging of resources is now an important criterion for those making funding decisions. Learn how Suffolk County Community College is leveraging local, state, NSF, business, and industry resources to deliver full-service STEM education.</p> <p><i>Presenters:</i></p> <p>Dr. Candice Foley , College Associate Dean for Curriculum Development, Suffolk County Community College, Selden, NY Nina Leonhardt , College Associate Dean for Continuing Education, Suffolk County Community College, Selden, NY</p>	