

DPE NEWS

APRIL 6, 2011

Diversity Programs in Engineering



Progress optimized



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DPE Host & Volunteer Opportunities

Sign up today for a chance to win an iPad!

Spring Diversity Hosting Weekend (DHW) April 14-16, 2011

Prospective Candidates' Weekend (PCW), April 15-16, 2011

Diversity Programs in Engineering is looking for students that live in on-campus housing to serve as overnight hosts for DHW (2 nights) and PCW (1 night). The prospective students will spend the majority of their time in daytime and early evening programs and events so this will be a low key, but very important commitment. We expect over 130 admitted students to participate in these programs so we really need your assistance in serving as gracious overnight hosts!

As an added incentive to serve as a host, all hosts will be entered into a raffle to win an iPad! (There will be drawing for an iPad for DHW hosts as well as one for PCW hosts.) We will also have thank you gifts for all volunteers. Additionally, If you are a Cornell Tradition Student, you can earn campus service hours for hosting and/or volunteering for either of these programs!

If you are interested and willing to serve as an overnight host and/or volunteer for either of these programs, please complete the DPE Volunteer & Host Form at <http://www.engineering.cornell.edu/dpe-volunteer>

The DHW and PCW programs engage admitted underrepresented minority and female students in a variety of activities such as lab tours, student panels, opportunities to interact with faculty, and much more. DPE and Engineering Admissions collaborate to plan and implement DHW & PCW. Additionally, members of SWE serve in leadership roles in the planning and implementation of PCW.

Campus visitation experiences have proven to be one of the most important factors admitted students consider when determining where they intend to enroll. Therefore, please volunteer your time and help us yield our next class of outstanding Cornell engineers!

PLEASE NOTE THAT YOU DO NOT HAVE TO BE AN ENGINEER TO HOST...SO PASS THIS ON TO FRIENDS! For more information please contact:

Jami P. Joyner <jj334@cornell.edu> Francine Mitto <fam29@cornell.edu>

DPE Upcoming Events!

DPE Lunch & Learn with Adepeju Adeniji

Stop by for lunch, great company and a chance to learn about General Electric's Operations Management Leadership Program (OMLP) from alumna Adepeju Adeniji. Adepeju is a recent graduate from Cornell Engineering (B.S. '08, M.Eng '09) and is excited to share insights and experiences from her participation in the GE OMLP.

WHEN: Fri, April 8

WHERE: McManus Lounge, 166 Hollister

TIME: 11:30am-1:30pm

RSVP: <http://www.engineering.cornell.edu/DPE-RSVP>

Research, Symposiums & Graduate Program Opportunities

- Corral Lab Seeks Applicants for Summer 2011 NSF-Southwest Materials Research and Training Program Summer Internships
- A Call for Technical Papers
- Pathways to Science for undergrads, Grads & Postdocs!
- Center on Material and Devices for Information Technology Research
- The Science Education Programs at Oak Ridge National laboratory
- Wind Energy Science, Engineering, and Policy (WESEP) at Iowa State University

Just for Grads & PostDocs

- Preparing Future Faculty Summer Institute
- When and Where I Enter, a FORWARD to Professorship Workshop
- Dissertation Support Group
- RITs 9th Annual Future Faculty Career Exploration Program
- Rice University and the NSF ADVANCE Program (Add Your Name to the PhD and Postdoc National Database!)
- National Research Council of the National Academies Awards

Other Important Information!

- Trey Waller's Office Hours
- DPE Computer Lounge/PC Lab/Lockers
- DPE Computer Log-In Procedures



A Management Consulting Career with McKinsey & Company

Have you ever wondered about a career in management consulting?

If you are completing your PhD or post-doc in any engineering discipline, please come by to learn more about management consulting as well as opportunities with McKinsey & Company. Dan Cohen (BS '05 PhD '10) is an Associate at McKinsey and will be on campus to discuss consulting as a career option for engineering PhD's.

Dan will also be discussing our summer Insight Engineering & Science program which is currently accepting applications from 2012 PhD graduates and post-docs. McKinsey & Company, a management consulting firm with nearly 9,000 consultants in 90 offices across 50 countries, is hosting three summer programs for students working towards advanced professional degrees: Insight Healthcare, Insight Engineering & Science, and Insight Asia. These programs will give non-MBA advanced degree students an insider's look into management consulting. Each of the comprehensive seminars will cover a range of topics important to those who are exploring alternative career possibilities. The Insight Engineering & Science agenda includes an overview of management consulting, an introduction to the type of work we do, a management consulting case study, and an opportunity to network with colleagues and participate in social activities.

You can learn more at www.apd.mckinsey.com. The website features profiles of consultants with backgrounds similar to your own, information about selection criteria, application tips, and the online application form.

WHEN: Fri, April 8
WHERE: Hollister 206
TIME: 2:15-3:30 pm

Co-sponsored by: Co-op and Career Services and DPE

DPE Student Leaders Council Meeting

WHEN: Fri, April 8
WHERE: Olin 160
TIME: 5-6:00pm

Spring DHW/PCW Weekend

See: **DPE Host & Volunteer Opportunities** on page 2.

Spring Diversity Hosting Weekend (DHW) April 14-16, 2011
Prospective Candidates' Weekend (PCW), April 15-16, 2011

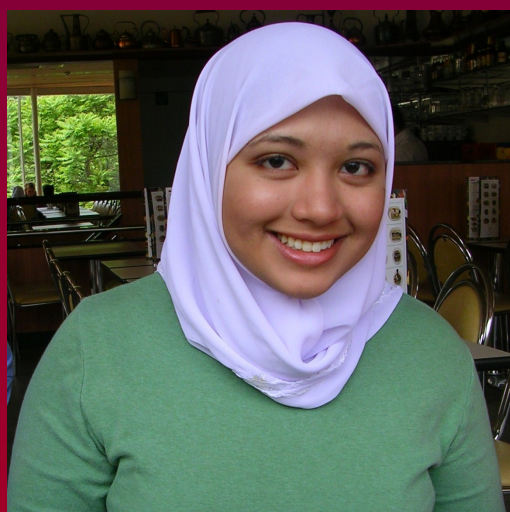
DPE Fuel for Thought

Take a break! Stop by for an afternoon snack and some great company!

WHEN: Thur, April 21
WHERE: McManus Lounge, 166 Hollister
TIME: 1-3:00pm



Erica Barnett
Undergraduate of the Month



Tauhira Hoossainy
Graduate of the Month

CU EMPower Dinner & Monthly Meeting

WHEN: Mon, April 25
WHERE: Upson Lounge
TIME: 5-6:30pm
RSVP: <http://www.engineering.cornell.edu/DPE-RSVP>

Engineering Summer Scholars Program (ESSP) Meeting

WHEN: Mon, May 2
WHERE: 145 Olin
TIME: 4:30pm
RSVP: <http://www.engineering.cornell.edu/DPE-RSVP>

DPE Students of the Month!

The April Students of the Month are...

Graduate Tauhira Hoossainy and Undergraduate Student Erica Barnett!

Congratulations to these two outstanding students! Check out their profiles on the [DPE Recognition & Awards](#) webpage and bulletin board in the hallway next to the DPE Office, 146 Olin Hall.

The Students of the Month are recognized by the DPE office for their outstanding participation in DPE events, achievement of academic excellence, and demonstrated commitment to diversity efforts.

DPE Students of the Month are acknowledged with a special announcement in the weekly DPE Newsletter and are highlighted throughout the month with their photos and profiles displayed on the DPE office bulletin board and website. If you would like to nominate someone for consideration for "student of the month" month, email your nomination statement to Debbie Moss at d1m45@cornell.edu.

Mentoring/Peer Advising/Leadership Opportunities

Leadership Strategies for a Multicultural Workplace: A Mentoring Session with Alumna Jane Hyun '90

Are you preparing for a job or an internship?

Are you trying to initiate mentoring and networking connections?

Interested in being a better leader?

Want to learn how to bring all of your assets
(cultural capital, skills, experience) to the table?

Don't miss this opportunity to learn from executive coach and leadership strategist Jane Hyun, author of *Breaking the Bamboo Ceiling* and founder of Hyun & Associates.

WHEN: Thursday, April 14th
TIME: 4:45pm - 6:15pm

WHERE: 253 Malott Hall
RSVP: casmp@cornell.edu

First 50 students to arrive will receive a free copy of Jane Hun's *Breaking the Bamboo Ceiling*!

Expand Your Professional Network—Join DPE on LinkedIn.com Today!

Diversity Programs in Engineering is now on LinkedIn! If you are not already a member of LinkedIn, we encourage you to create a profile at www.linkedin.com and then join the DPE group ([Cornell Engineering Diversity Programs](#)) to professionally network with Cornell peers, alumni, industry partners, and other friends of DPE!

About LinkedIn

LinkedIn is an interconnected network of experienced professionals from around the world, representing 170 industries and 200 countries. When you join, you create a profile that summarizes your professional expertise and accomplishments. Your network consists of your connections, your connections' connections, and the people they know, linking you to a vast number of qualified professionals and experts. LinkedIn exists to help you make better use of your professional network and help the people you trust in return.



demonstrated competence and achievement in their scientific discipline as evidenced by the quality of research accomplishments, publications in scientific journals, and other significant scientific activities, achievements, and honors.

Allison Truhlar, a biological and environmental engineering senior, has been selected to be a [Gates Cambridge Scholar](#). She was one of 30 new recipients of the full boat scholarship for graduate study at the University of Cambridge announced last month. Truhlar, from Stony Brook, N.Y., will study in Cambridge's Department of Zoology with David Aldridge.

David P. Williamson, professor of operations research and information engineering, has received a [Humboldt Research Award](#), which recognizes "fundamental discoveries, new theories or insights" that have had "significant impact" on a certain discipline. Williamson studies the design and analysis of polynomial time algorithms for the approximate solution of hard problems in discrete optimization, especially problems arising in network design, scheduling, facility, location, and routing. He focuses on the use of techniques from the area of mathematical programming for designing such algorithms, including such techniques as the primal-dual method and semi-definite programming.

[Cornell LSAMP Scholar](#) and materials science and engineering senior **Florencia Paredes** took top honors in the technology and engineering division of the poster competition at the [2011 Emerging Researchers National Conference in STEM](#) in Washington, D.C. on February 26. This conference is a joint effort of the American Association for the Advancement of Science and the National Science Foundation and brings together undergraduate and graduate students who participate in programs funded by the NSF Human Resource Development Unit.

Student Orgs & Info Sessions

SWE Charity Drive Ends TODAY

Hey guys! SWE is doing a charity clothe drive for Catholic Charities which also feeds into the local Battered Woman Shelter. The charity is located right in Ithaca so we will really be helping out our neighbors! They take mostly clothes (old jeans, t-shirts, sweaters, sweatpants, etc), bedding, and kitchen supplies. Please use your judgment when donating; clothes that are too ragged or torn may not be the best choice. The donation boxes will be in the SWE office, DPE office, as well as the next Gbody meeting. We will be collecting donations from now until the next GBody meeting on April 6th. Thank you for all of your help!

Career Fairs & Other Items of Interest

Upstate NY Bio Career Connections Fair

This event will host a number of panel presentations and a keynote that promises to be informative and educational. Vendors will be present to promote job and internship opportunities. All are welcome and registration is encouraged.

WHEN: Friday, April 8, 2011

WHERE: Ithaca College, Ithaca, NY

TIME: 12:45-5:00pm

RSVP: <http://www.cctec.cornell.edu/events/biocareer/attendee-registration.php5>

For more info: <http://www.cctec.cornell.edu/events/biocareer/index.php>.

Engineering Co-op & Career Services, 607-255-5006, eng-career@cornell.edu

Employment & Internship Opportunities

President's Summer Internship Program 2011 at Upstate Medical University

This program is a strategic initiative sponsored by the Office of the President, and coordinated by the Office of Diversity & Affirmative Action in collaboration with the urban community.

The goal of the program is to:

- Foster the interest of underrepresented minority college students by providing meaningful and relevant experience in preparation for employment in the health care industry, preferable at Upstate, and/or for advanced or doctoral degrees related to occupations in an academic health care setting.
- Attract and retain talented underrepresented minority professionals who are from the Syracuse Metropolitan Area.

Qualifications:

- Internship candidates must be underrepresented minority college seniors who are graduate school bound or graduate students (Masters or PhD candidates) graduating SPRING 2011, OR currently enrolled graduate students.
- **Priority** will be given to students who attended and graduate from a high school in the Syracuse, NY Metropolitan Statistical Area (Onondaga, Madison, Oswego, & Cayuga counties in NYS)
- Students must have a cumulative GPA of 2.5 or higher, or should be prepared to enter the workforce or are pursuing advanced degrees
- The program will operate from May/June—August 2011. Internships are limited to 8-10 weeks. Start and end dates will be determined by the intern and the host department
- Students are expected to be job ready and professional. Students will work a regular weekly schedule not to exceed 40 hrs/wk, and will be paid a stipend of \$13/hr. Housing and transportation are not provided.

Duties:

Selected interns will be assigned the department of their interest. Participating departments will provide work assignments, projects, and mentoring opportunities based upon their department's operational needs. ***See below for available opportunities**.*

Application:

Students applying MUST COMPLETE an Upstate Medical University STATE application ONLINE at www.upstate.edu/hr/jobs
Personal statement describing your reason for wanting to participate in this program and should not exceed 2 pages and must include:

Academic and/or career goals, current GPA, and how this program will help you meet those goals
The department you are interested in (reference department code from below)
Your academic status as of Spring 2011: graduating college Senior, grad school bound; graduating graduate (Masters or PhD candidate); or current graduate school student
Awards, recognitions, volunteer and/or extra-curricular activities
List the days during the time of Monday, April 11 through Friday, April 29 you are available to meet face-to-face, in case you are selected for an interview.

Letter(s) of reference/recommendation
College transcripts
Resume

Deadline to Apply: Friday, April 8th

Participating Departments/Dept. Code:

- | | | |
|---|---|-----------------------------|
| * Psychiatry/PSYCH | * Planning/HAP | * Environmental Services/ES |
| * Radiation safety Office/RSO | * Biochemistry and Molecular Biology/BCMB | |
| * Family Medicine, Occupational Health Clinical Center/OHCC | | |

Please ensure you have completed the application online before submitting items 2,3,4 and 5. Mail the packet of information to:

Upstate Medical University, Office of Diversity & Affirmative Action
ATTN: President's Summer Internship Program 2011
750 East Adams Street, 711 Jacobsen Hall
Syracuse, NY 13210

The IBM S&D Summit Program

Now is a great time to be in IBM Sales & Distribution. IBM is growing globally and looking for talented young professionals. Looking for a new challenge? Interested in making an impact? Come join them as they build a smarter planet.

Program Overview

The IBM Sales & Distribution (S&D) Summit Program is an elite program focused on attracting recent MBA, MS and BS graduates for client-facing consultative sales and information technology specialist positions. Internship positions are also available for May-August.

We know that when our employees grow IBM grows, so we invest in superior development programs to help you become successful and stay competitive. Our objective is to attract the best and the brightest talent. We focus on developing leaders capable of representing the exceptional value delivered by the breadth and depth of IBM.

As part of the intensive development program, we introduce our university hires to IBM's consultative sales approach through the innovative 12-week IBM Global Sales School. University hires will benefit from a practical mix of classroom training, e-learning, project simulations, and individual career support to ensure you have the skills and tools to be successful. We will provide additional product and hands-on training as required, with Product Specialists and IT Specialists receiving an additional 6 to 9 months of in-depth product and technical training following IBM Global Sales School.

Program Qualifications

The positions and base criteria for the client-facing positions are listed below. For all positions it is necessary to have:

- Strong desire to work directly with clients
- Excellent analytical and communications skills, both written and verbal
- Demonstrated leadership and teaming ability
- Strong GPA

Positions available

- Client Representative Product specialist
- IT Specialist

– Hardware – Software – Storage

- Summer Internships

See website for more information and to apply:

<http://www-03.ibm.com/employment/summit/index.html>

Positions Available at Singlebrook Technology

Singlebrook Technology, a web and mobile development firm in Ithaca, NY is seeking a full time web designer and a web programmer to join their team. Singlebrook works with a number of associations, non-profits and social & environmental mission-driven organizations. We have a casual, flexible, family-friendly office in downtown Ithaca and offer great benefits including health insurance, Simple IRA, paid volunteer time and free gym membership at Island Health & Fitness. Singlebrook is a certified B Corp (www.bcorporation.net). For more information see: <http://www.singlebrook.com/careers>

Please send the following to jobs@singlebrook.com:

- Detailed cover letter
- Resume
- Links to your web design portfolio

Paid Summer 2011 Internship Sponsored by Creston

Creston is at the forefront of technology and they are looking for the **BEST**. Do **YOU** have what it takes?

Rockleigh, New Jersey R&D headquarters. Compensation commensurate with experience and education.

Eligibility:

- Full-time undergraduate students, completing junior or senior year by summer 2011, enrolled at NY Space Grant Institutions
- Electrical Engineering, Mechanical Engineering, or Computer Science majors (with a concentration or experience in hardware, software, or firmware engineering)
- Must be eligible to work in the US without sponsorship

To Apply: Send resume, cover letter, transcript, and optional recommendation letter to: Tracy Cook tcCook@crestron.com AND cc: NY Space Grant spacegrant@astro.cornell.edu.

Deadline: April 15, 2011

For more application or more information: <http://astro.cornell.edu/spacegrant/undergrad.html>

Develop Your Own Internship Program

The [Develop Your Own Summer Internship Program](#), commonly referred to as the DYO Program, is open to students who have a Federal Work-Study allocation as part of their financial aid package. The DYO Program provides reimbursement to certain off-campus non-profit and small for-profit employers that pay you for a summer job or internship that is academically or career related. Refer to the [Overview for Students](#) and [Employer Cover Letter](#) to acquaint yourself with this program, and then complete the online [DYO Application](#).

For more information, [listen to the recording](#) of the DYO Information Session that was held on Monday, March 7, at 4:45 pm in Lewis Auditorium, Goldwin Smith Hall.

We recommend that you **return the completed application by Friday, May 20**. We will continue to accept applications until all of the available funding is allocated or June 30, whichever is later. Note that funding is often exhausted by mid-June.

Scholarships & Fellowships

Mellon Mays Undergraduate Fellowship Program

The Mellon Mays Undergraduate Fellowship program aims to encourage underrepresented groups and other US citizens and permanent residents who are committed to eradicating racial disparities to develop their academic interests to the fullest and to pursue doctoral degrees and academic careers in the following fields: Anthropology, Area Studies, Art History, Classics, Computer Science, Demography, earth Science, Ecology, English, Ethnomusicology, Foreign Languages and Linguistics, Geology, History, Literature, Mathematics, Musicology, Philosophy, Physics, Political Theory, Religion, and Sociology.

The Fellowship Program provides students with faculty mentors who work closely with them for two years. Guided by his/her faculty mentor, each student works on developing an article-length project from proposal to finished product during the four semesters in the program. The program also provided the fellows with stipends while they pursue their projects, both during the academic year and in the summer. These stipends should relive students of the need for non-academic employment during the school year and for most or all of the summer.

In addition, in an effort to remove the burden of debt that often prevents students from embarking on graduate study, the program will repay up to \$10,000 of the fellow's undergraduate or graduate loans upon completion of a PhD in a Mellon-designated field.

Selection:

- Academic promise
- Interest in pursuing an academic career in a Mellon-designated field of study
- Potential for serving as a mentor and teacher for a wide variety of students
- Race and ethnicity (in relation to underrepresentation in designated fields of study)
- Demonstrated commitment to increasing opportunities for underrepresented minorities breaking down stereotypes, increasing cross-racial and ethnic understanding, and enabling others to better understand persons of different races and ethnicities
- Commitment to participating fully and enthusiastically in all aspects of the MMUF program, including attendance at conferences and meetings.
- Status as US citizen or permanent resident.

Fellows are normally selected in the sophomore year. Up to five students are chosen each year.

To Apply:

Interested students should consult Assistant Dean Maria Davidis (172 Goldwin Smith Hall), for an application. Students must submit the following to Kelli Bucci, MMUF program assistant, 172 Goldwin Smith Hall, **by Friday, April 15th, 2011**.

- Application form
- Official transcript
- The names of instructors who have been asked to write letters of recommendation
- An essay of 3 pages (typed, double spaced), in which s/he proposes a research project for next year. The student should describe as concretely as possible the question(s) s/he is attempting to answer and how s/he will go about answering it/them. S/he should also supply names of one or two faculty members who might be good mentors for the project
- An essay of 1-2 pages (typed, double spaced), in which the student describes how s/he has demonstrated his or her commitment to increasing opportunities for underrepresented minorities, breaking down stereotypes, increasing cross-racial and ethnic understanding, and/or enabling others to better understand persons of different races and ethnicities.



ASEE/NSF Small Business Postdoc Research Diversity Fellowship

The American Society for Engineering Education (ASEE) in partnership with the National Science Foundation (NSF) announces the Business Postdoctoral Research Diversity Fellowship Program, which will place 50 recent Ph.D. recipients in designated active Phase II Small Business Innovation Research (SBIR) participating companies.

The program encourages creative and highly trained recipients of doctoral degrees in science, technology, engineering and math disciplines to engage in hands-on research projects in their areas of expertise at the kind of small innovative businesses that historically have fueled the nation's economic engine.

Participants in this program who later choose an academic career will bring new applications-based curriculum perspectives and approaches to their field of study, as well as expanding the nation's academic research horizons. By working in a laboratory where research and development are accomplished within a framework of expected business outcomes and business constraints, researchers will learn to work in multidisciplinary teams and to apply their academic expertise to the important work of product development and application in a globally competitive environment.

To be eligible, candidates must have been awarded, within three years to the date of the application, a Ph.D., Sc.D. or other earned doctoral degree in a STEM-related discipline supported by the National Science Foundation. In addition, the candidate must be a U.S. Citizen, U.S. National or a permanent resident. Qualified women and underrepresented minorities are especially encouraged to apply. Fellowship recipients will receive an annual stipend of \$75,000 plus full health benefits for at least one year. **Candidates may begin to apply January 10, 2011.**

For further information, please visit the ASEE website at <http://nsfsbir.asee.org> or contact the ASEE program manager, Curt Millay, at c.millay@asee.org or 202-649-3832.



HENAAC Scholars Program

For the first time in our ten year history, the HENAAC Scholars Program awarded educational grants to over 100 stellar STEM students! We hope to do the same in 2011 and have a goal of providing over \$200,000 in scholarships. In 2010 scholarship dollar amounts ranged from \$500 to \$8,500. The total number of scholarships awarded in 2011 will be based on final contributions given to the scholarship program by August 1, 2011.

Application Deadline: April 30th, 2011 [Download Scholars Application!](#)

How to Apply:

Great Minds in STEM™ encourages all engineering, applied science, computer science and math students to apply for this grant. Here are the steps you should follow to submit your [2011 application](#):

Submit your completed application, transcript, letters of recommendation, essay and resume in one envelope by the postmark date of April 30, 2011.

You only need to submit one application and accompanying materials to be considered for all the sponsored scholarships.

Great Minds in STEM™ will determine the various scholarships you qualify for based on your submitted application.

Great Minds in STEM™ will send you an e-mail confirmation by May 31, 2011 indicating that your application is either complete or incomplete.

If you are selected as a 2011 HENAAC scholar, you will be notified no later than August 12, 2011.

All Great Minds in STEM™ scholarships will be presented and awarded at the 23rd Annual HENAAC Conference in Lake Buena Vista, FL on October 6-8, 2011.

Scholarship recipients **MUST** attend the conference to receive the scholarship.

- 10-week paid summer research internship for undergraduates
- Research focus on processing “High Temperature Materials”
- \$5K stipend, and housing on University of Arizona campus is included
- “New” workshops on graduate school prep & poster session
- **Applications are due now for summer 2011**
- Contact Dr. Corral via email (elcorral@email.arizona.edu) for application material

- All abstracts are limited to one 8.5 x 11 page
- Minimum font is 10-point.

The abstract must include the following:

- Title of paper
- Name (underlined), affiliation, mailing address, phone number, and e-mail address of presenting author
- Names and affiliations of co-authors
- The competition the student is submitting for (ie, undergraduate technical paper completion or graduate technical paper competition)
- Main text of abstract

NOTE: Abstracts with incomplete information will not be considered for the competition.

In addition to the abstract, a high-resolution picture of the submitting author must be included with the email submission. The picture should be a minimum of 300 dots per inch with 4x3 inch dimensions. *The abstract submission will not be accepted if this picture does not meet the size and dimension requirements.*

The technical papers should be mailed in .pdf format to Prof. Erica L. Corral (elcorral@email.arizona.edu) **on or before OCTOBER 14th**, 2011, only if the abstract is selected to participate in the competition. No late submissions will be considered for the competition. If your paper is received late, you will be allowed to present at the conference during your assigned presentation time, but you will not be eligible for the competition.

Format of the paper:

- 5-page maximum in length (including figures, tables, references, etc)
- Minimum of 10-point font
- Single-spaced or double-spaced
- 1-inch margins on all sides
- Title should appear centered at the very top of the first page
- Authors' names should appear centered below the title
- Address should appear centered below the authors' names
- Skip one line
- The word "Abstract" should appear centered on the page
- Skip one line
- The first section of your paper, after the abstract, should be the Introduction. The word "Introduction" should be centered on the page, using bold 12-point font. Subsequent sections of the paper should be formatted the same way.
- All figures should contain captions at the bottom of the figure using Arabic numerals (Figure 1, Figure 2, Figure 3, etc.)

General Notes on the Presentation:

You may bring your own laptop, although there will be a laptop provided in the room. There will also be an LCD projector in the room. If you do not have a laptop, bring a CD (no flop disks) with your presentation in PowerPoint. There will be no other audiovisual equipment provided. If you have any special needs, contact Prof. Erica Corral (elcorral@email.arizona.edu)



Pathways to Science for Undergrads, Grads, & Postdocs!

The Institute for Broadening Participation - Pathways to Science is a portal website support pathways to the STEM fields: science, technology, engineering, and mathematics. Particular emphasis is placed on connecting traditionally underrepresented groups with STEM programs and resources, including funding and mentoring opportunities available through the **National Science Foundation**, **NASA**, **National Institutes of Health** and many other programs.

Undergraduate Portal: <http://www.pathwaystoscience.org/> (for those seeking REU and other Summer Programs)

Graduate Portal: <http://www.pathwaystoscience.org/Grad.asp> (for Graduate School Information, AGEP, GK-12, IGERT National Recruitment Program, MS PHD's and NSF Grad Research Fellowships)

Post Doc Portal: www.PathwaysToScience.org/PostDocs.asp (for advanced PhD students and current postdocs seeking postdoctoral fellowship opportunities)

Center on Material and Devices for Information Technology Research

The [National Science Foundation](#) established the Science and Technology Center (STC) Program as one of several Executive Initiatives to enhance the nation's economic competitiveness. The program funds interdisciplinary research and education activities and encourages technology transfer and innovative approaches to integrate all these activities. Established in 1987, the NSF STC Program currently funds eleven Centers in a variety of disciplines across the United States.

CMDITR is located at three main campuses with several affiliated partner campuses. CMDITR provides a highly integrated, interdisciplinary, multi-institutional research infrastructure for scientists and students in: Chemistry, Physics, Optical Sciences, Materials Science & Engineering, Electrical Engineering, and Applied Physics. They offer scholarship, funding and career opportunities. For more information, please see their website: <http://www.stc-mditr.org/research/index.cfm>

The Science Education Programs at Oak Ridge National Laboratory

[The Science Education Programs at Oak Ridge National Laboratory](#) are managed by Oak Ridge Associated Universities (ORAU) through the Oak Ridge Institute for Science and Education (ORISE). Established as an official U.S. Department of Energy (DOE) institute in 1992, with programs dating back to 1946, the [Oak Ridge Institute for Science and Education](#) (ORISE) is a national leader in science education and research. Through the management of ORISE, ORAU directly supports DOE's national agenda. We strive to advance science education and research programs, with a vision to be a national leader in doing so. And we create opportunities for collaboration through partnerships with other DOE facilities, other federal agencies, the academic community, and industry. Each program within the Science Education Programs at Oak Ridge National Laboratory has a specific program contact which can be found when looking at the specific program Web pages. For general information, contact ornledu@ornl.gov.

Wind Energy Science, Engineering, and Policy (WESEP) at Iowa State University

Iowa State University offers an intensive **10-week on-campus research program in Wind Energy Science, Engineering, and Policy (WESEP)** for undergraduate students. Ten fellowships are sponsored each year by the National Science Foundation's (NSF) Research Experiences for Undergraduates (REU) program. Students will **work collaboratively in interdisciplinary teams** with faculty and graduate students to receive training and get **hands-on research experience** in areas that address critical, long-term national needs in wind energy-related areas.

PROGRAM HIGHLIGHTS

- **One-on-one mentoring** from a faculty mentor
- **Immersive research experience** in one of four wind energy-related areas
- Additional training through **short courses and workshops**
- **Field trips to operating wind farms** and turbine and blade manufacturers
- **Networking with industry experts** at weekly "lunch and learn"
- **Access to state-of-the-art laboratories**

STIPEND & EXPENSES COVERED

The program starts June 1, 2011 and ends August 6, 2011. The program provides each student:

- \$5,000 stipend
- Up to \$600 in travel expenses
- Free on-campus housing and meal plan

ELIGIBILITY

- Must be a U.S. citizen or permanent resident of the United States
- An undergraduate in good standing
- Completed 4 college-level courses in physical sciences, engineering, or mathematics

Applications are due April 8, 2011.

MORE INFORMATION: More about their summer research program, visit www.windenergy.iastate.edu/reu.asp.

Dissertation Support Group

The Graduate School Office of Graduate Student Life is pleased to sponsor this professionally facilitated weekly support group designed to help graduate students remain mentally focused and on-task with their dissertation. The group is designed to develop a supportive small group environment where students can share the obstacles and struggles they are facing as well as strategies that are helping them maneuver the sometimes arduous path of completing a dissertation. Participants will learn to set week and semester goals that are specific, reasonable, and oriented in time. The facilitator (Laure Conklin Kamp, LMHC) will share information and resources on such topics as: setting priorities, fear of failure, overcoming procrastination, navigating relationships (with your committee, your partner) and others as determined by group interest and need.

The group will meet every Wednesday, starting March 30 from 2:30-4:30 pm.

Interested students, please send an email: including your name, field, and email/phone contact information to Teresa Gentile (tmm47@cornell.edu) at the Graduate School to register interest.

Prospective participants will need to fill out a screening form and return it to the facilitator. Participants will be screened and selected by the facilitator.

We do expect to offer additional sessions over the summer and in Fall 2011 as well.

RIT's 9th Annual Future Faculty Career Exploration Program

Are you an individual that fits the following criteria?

- Able to contribute in a meaningful way to the university's continuing commitment to cultural diversity, pluralism, and individual differences. We are especially interested in applications from people of color who are underrepresented in teaching professions, i.e., African-American, Latin American, American Indian or Alaskan Native.
- Are within one year of receiving or already completed Ph.D., MFA, or Post Doctoral assignment
- Desire an academic teaching career at an exceptional teaching institution that also has a research focus
- Are receiving degrees in disciplines offered at RIT; i.e., math, sciences, engineering, technologies, business liberal arts, fine art, computing sciences [complete list of programs](#)
- Demonstrate potential to fill, open and/or anticipated vacancies
- Are able to travel to Rochester, NY September 28-October 2, 2011

Application deadline is June 1, 2011 for the ALL-EXPENSE-PAID PROGRAM

For more information and applications visit our website at: http://www.rit.edu/academicaffairs/facultyrecruitment/faculty_program.php.

Please direct any email correspondence to faculty@rit.edu or telephone 585-475-5775.

RIT is committed to creating an inclusive climate that fosters the success of every student and employee by appreciating the unique contributions that each person makes to the educational process based on their ethnic, cultural and gender related knowledge and other unique experiences.

RIT has made aggressive moves to increase faculty diversity, raising the bar for schools nationwide. In fact, NY State is calling this initiative the "RIT Model." RIT understands that it takes commitment from leadership on down, dedication, and leadership operating in a reasoned way to improve our diversity goals. For the past six hiring seasons, as many as 30 percent of RIT's new faculty hires have been from underrepresented minority groups.

Rice University and the NSF ADVANCE Program (Add Your Name to the National Ph.D. and Post Doc Database!)

This database was generated from PhDs and Postdocs who applied to attend the Rice University Negotiating the Ideal Faculty Position workshop. It is sponsored by the National Science Foundation ADVANCE program at Rice University.

Find DPE Info Online:

Find the DPE Event Online RSVP Form at :

<http://www.engineering.cornell.edu/DPE-RSVP>

Check Out the Full Calendar of Events at:

<http://www.engineering.cornell.edu/dpe-events>

Read the DPE Newsletter and other News updates at:

<http://www.engineering.cornell.edu/dpe-news>

DPE Lab Computer - New Login Procedures:

The first 3 steps must be completed before coming to DPE Lab.

Go to netid.cornell.edu

Click "Change your Password"

Enter Current Password, then New Password & confirm, then click Submit.

NOTE: This process synchronizes your NetID password with your new Cornell active directory password, which then allows you to sign in to the Cornell domain. You can go through this process again to change your password back to what it was before, if desired.

The next 3 steps must be completed in the DPE Lab

Click Switch User (if necessary)

Click Other User (if necessary)

Be sure "Log on to: Cornell" is displayed below password box: Enter NetID & NetID password.

The applicants in the database have given permission for their information to be shared with other Rice and other peer institutions that have active faculty searches. Information about the database has been sent to over 700 faculty members in schools of engineering and natural sciences around the nation.

If you would like to be added to this database for the 2010 round, please complete the form on their website at <http://advance.rice.edu/applicationform.aspx>.

National Research Council of the National Academies Graduate Student, Postdoc, & Senior Researcher Awards

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from \$42,000 - \$75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at \$30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

Detailed information, including instructions on how to apply online and a list of participating labs, is available on the [NRC Research Associates Programs](#).

Questions should be emailed to the [NRC](#), or call 202-334-2760 .

Other Important Information

Trey Waller's Walk-In Office Hours:

Monday: 10 AM - 12 PM / Thursdays: 1:30 PM - 3:30 PM

DPE Study Lounge/PC Lab - Olin B55

Requesting Access to the DPE Study Lounge/PC Lab and/or Lockers: To gain access to the DPE Lounge you must contact [Debbie Moss](#), or go to Olin 146 and provide them with your Cornell ID number and NetID. Please allow up to 4 business days for your request to be processed. **If you are requesting a locker, please come to the DPE office, bring your own lock and let us know which locker you would like to utilize, bring a combination/key lock with you.**

Please remember, this is a study lounge, be respectful and considerate of others as they study. Wear earbuds when watching movies, listening to music, or anything that may be disturbing. Access to the lounge CAN be revoked.

As always, access to the DPE Lounge is a privilege, not a right. Therefore, if the DPE Lounge is found in disarray and/or if furniture and computer equipment is found to be damaged beyond normal wear and tear, then individuals risk losing access to the DPE Lounge not only for themselves, but for EVERYONE!

This is a COMMUNITY SPACE - please DO YOUR PART to maintain it and to hold your peers accountable for doing the same. And remember, if printers run out of paper, ink, etc. or if there are issues with a computer, YOU must take responsibility for contacting [Debbie Moss](#) at d1m45@cornell.edu or 607.255.6403.

d i v e r s i t y

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p r o g r a m s