Welcome
to the
University of Wisconsin
Eau Claire
Rebecca Kidnie

UW-Eau Claire Senior
Vocal Performance Major
Catcher, Division III Championship
Women’s Softball Team
Ah, Love, but a day!

Amy Beach

Pianist: Stephanie Schmidt
Leadership

Innovation

TRANSFORMING our FUTURE

Sustainability

Diversity

University of Wisconsin-Eau Claire
American College & University Presidents Climate Commitment (ACUPCC)

- UWEC signed in September 2007
- Since Chancellor Brian Levin-Stankevich signed, over 300 institutions have joined
- To date, 655 signatories across the US
- Provide educational opportunities for UW-Eau Claire students
2008 Carbon Neutral Team
About Our Study

• CNT students decided which components went into the final calculations
• Modeled after a greenhouse gas emissions inventory at Middlebury College in Middlebury, Vermont.
Composite figure presented at the end of the semester to Chancellor Brian Levin-Stankevich
• Recommendations from 2008 Greenhouse Gas Emissions Inventory broken into three categories

• Low Impact
  – Limit number of appliances
  – Recyclemania

• Medium Impact
  – Clean Commute Initiative
  – Reduce campus parking

• High Impact
  – Window upgrades
  – Improved lighting
  – Heating Plant Upgrades
  – Fuels, gas turbine, geothermal technology
  – LEED Certification
Sustainability Initiatives at UW-Eau Claire

For information call: 715-836-2761 www.uwec.edu/chancellor/sustainability/
Sponsored by the UW-Eau Claire Sustainability Fellow/Chancellor's Office
Sustainability at UW-Eau Claire: Clean Commute Initiative

Faculty, Staff and Students for Local Car-Free Travel

Mission:
To promote the environmental and health benefits of reducing automobile use in favor of alternative transportation methods to, from and around campus.

There is a growing desire to distinguish the University of Wisconsin-Eau Claire and the City of Eau Claire as an environmentally aware, active, and responsible community. Given the need and opportunities for immediate action, we believe that:

- UW-Eau Claire is well positioned to be a motivating force and partner for local community change in ways that benefit the entire Eau Claire community.
- UW-Eau Claire faculty and staff should make every effort to put into practice the environmentally sustainable theories and principles advocated on campus and in our community.

In signing this initiative, we, the faculty, staff, and students of UW-Eau Claire:

Call upon the UW-Eau Claire Administration to:
- Take immediate action to make UW-Eau Claire a model campus for clean commuting.
- Set an example for positive local change.
- Use its local prominence to work with other local institutions to accomplish community-wide changes that encourage, enable, and popularize reduced reliance on the automobile in the daily life in Eau Claire.

Commit to:
- Riding our bikes, walking, rollerblading, taking public transportation, carpooling or otherwise leaving our cars at home when coming to campus.
- Encouraging our colleagues and students across campus to join us in doing the same.

The entire CCI resolution is available online at www.uwec.edu/chancellor/sustainability/cci.html.
• Robyn
  – Serve as student-mentor to the Carbon Footprint Course, Spring 2009
  – Graduate School Plans
• Isaac
  – Climate Action Plan (CAP)
  – Study abroad
Materials Science Center

Dr. Douglas Dunham
*Director, Materials Science Center*

Dr. Marcus McEllistrem
*Director, Materials Science Center Academic Programs*

Patrese Hoffman
*Senior, Physics Major*
The University of Wisconsin-Eau Claire
Materials Science Center

TRANSFORMING our FUTURE
Mission:

Student-faculty research
K-12 Outreach
Industrial Outreach

TRANSFORMING our FUTURE
NanoSTEM DIN
(UW System Growth Agenda)

1. Educating more students in advanced STEM disciplines, including nanotechnology, biotechnology, polymer engineering and computer and electrical engineering;

2. Providing access to state-of-the-art science and engineering facilities and expertise for both students and regional businesses and industry as more public-private partnerships are promoted and sustained in the Chippewa Valley region to provide a positive economic impact for knowledge and technology based industries;

3. Building a three-pronged workforce skill set of science, engineering, and technology through which to attract and retain the high-end employers of tomorrow.
K-12 Outreach

Altoona
Durand
Augusta
Fall Creek
Eau Claire
Eleva-Strum
Osseo-Fairchild
Chippewa Falls
Prescott
Mondovi
Gilmanton
Stratford

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Industrial Outreach

- CleanWater Solutions
- Catalytic Combustion
- Northern Engraving
- Silicon Graphics Inc (SGI)
- Cardinal Glass – 3 plants (WI, OK, NC)
- Earth Mimic
- Extrusion Dies Inc
- OEM Fabricators/OEM Micro
- Nestle
- Linetec
- Phillips Plastics
- Phillips Metal Injection Molding
- Phillips Multi-Shot
- US Filter/Siemens Water Technologies
- Resonant Microsystems
- Microassembly
- Altoona Lake District
- Swanstrom Tools
- TaylorMade Products
- CoolScience
- Steve’s Scoring
- Atlas Materials Testing
- McMillian Electric Company
- All Metal Stamping
- Elemental Scientific Inc

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Collaboration with Resonant Microsystems

• A new high tech company in the Chippewa Valley

• Materials characterization by the Materials Science Center

• Currently at 13 employees

• Employs 3 UWEC interns

• Projected to be to 30 employees by the end of next year
A collaboration between:

- Engineers at Resonant Microsystems
- Faculty at Purdue University
- Faculty at UW-Eau Claire
- Faculty at CVTC
- Faculty at UW-Stout

Focal Project

Nanoswitches

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At present:

- CVTC: NanoRite
- Purdue: Design (and results from prototype)
- UW-Eau Claire: Characterize contacts
- Resonant Microsystems: Manufacturing
- UW-Stout: Manufacturing Engineering

Resonant Microsystems has purchased a $350,000 instrument that will be housed at UW-Eau Claire

Prospective collaborators:

- Faculty at sister UW campuses could bring expertise in new materials for nanoswitches.
Center for Adaptive Microsystems

An Emerging Technology Center !?

- Opportunity for intense collaboration on a well-focused, industrially relevant project
- Opportunity to connect with other announced Emerging Technology Centers, especially at UW-Stevens Point, UW-Platteville.
A Student’s Perspective – Patrese Hoffman

Student Outreach:

• 4th grade – High school

• In school presentations as well as activities arranged at UWEC
A Student’s Perspective – Patrese Hoffman

Undergraduate Research:

• Atomic Force Microscopy (AFM)

• Scanning Electron Microscopy (SEM)

• X-ray Photoelectron Spectroscopy (XPS)
Engineering Internship:

• Experience working for a small business

• Practice applying skills in real world situations unfamiliar to the university environment.
LA SED
Latin American Sustainability Education & Development

Margaret McInnis
Junior, Political Science Major, Treasurer

Cory Ploessl
Senior, Art-Ceramics Major, President

Kristin Racchini
Senior, Spanish Major, Vice-President

Meghan Sluga
Senior, Spanish & Social Work Majors, Secretary

Analisa De Grave
Associate Professor of Spanish & Latin American Studies

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"These kids need a lot of motivation to go to school. The simple things like not having a pencil and a notebook or shoes to go to school will keep a child home and not learning“

-Joe Mullenberg UWEC Graduate
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TRANSFORMING our FUTURE
Civil Rights Pilgrimage

Jodi Thesing-Ritter, Associate Dean of Students
Sarah Gonzalez, Senior, Psychology Major
Anthony Och, Senior, Sociology Major
Janna Caspersen, Junior, Geography Major

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Atlanta, Georgia

TRANSFORMING our FUTURE
Birmingham, Alabama

TRANSFORMING our FUTURE
Montgomery, Alabama

TRANSFORMING our FUTURE
Selma, Alabama
O.C. Haley Boulevard Renovation of New Orleans

TRANSFORMING our FUTURE
Little Rock, Arkansas

TRANSFORMING our FUTURE
Memphis, Tennessee

"We may not get there with you, but I want you to know that we as a people will get to the promised land.

— Rev. Dr. Martin Luther King, Jr., March 30, 1968, Memphis

TRANSFORMING our FUTURE
Visiting Minority Scholar
Civil Rights Pilgrimage
Winterim 2010 • Jan. 8-18

Sponsored by Student Senate, Dean of Students and UW Eau Claire Foundation.

Cost: $350 includes bus transportation, lodging and sightseeing.

This Winterim take a pilgrimage into the heart of the civil rights movement. You'll visit historical sites and landmarks and learn about the struggle for equality and help people in need. Learn more at www.uwec.edu/dos/CRP

Registration begins Monday, Oct. 5, and will continue until full.

University of Wisconsin—Eau Claire

http://media.uwec.edu/Civil_Rights_2009/Civil_Rights_1024.aspx

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The Modern Racism Scale

1. Over the past few years, the government and news media have shown more respect to Blacks than they deserve.

2. It is easy to understand the anger of Black people in the United States. (Reverse scored).

3. Discrimination against Blacks is no longer a problem in the United States.

4. Over the past few years, Blacks have received more economically than they deserve.

5. Blacks have more influence upon school desegregation plans than they ought to have.

6. Blacks are getting too demanding in their push for equal rights.

7. Blacks should not push themselves where they are not wanted.

NCORE Presentation

TRANSFORMING our FUTURE
Leadership

Innovation

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