Seymour & Esther Padnos College of Engineering & Computing

Fall 2016 Start-up Activity
Agenda & Activities – AM

• President Haas & Provost Davis University Update
• Break
• College Update & Ex Officio vote
• Lunch
• Unit meetings in the afternoon, as follows:
  • EGR – Meeting in Mackinaw Building, Room D-1-129
  • CIS - Meeting in Mackinaw Building, Room D-1-117
  • OSH – Meeting in Mackinaw Building, C-2-204, the CIS Conference Room
  • Student Services – Meeting in Mackinaw Building, Room B-2-226
Reference & Reminders

*To be posted on the college website soon*

**Ballot & vote – Paul Jorgensen**
- *Ex Officio status for Dean’s participation in the Personnel Committee, only tenure track participate*

**Calendar – notable dates shown below (calendar is found on college website)**
- No classes September 5 or 6, Labor Day holiday
- Thanksgiving Break, November 24-26 (offices open on the 24th) 🦃
- Project Day, Thursday, December 8th
- Classes End & Commencement, December 10th (exams December 12-17) 🎓
- Grades due for Fall 2015, December 19 by 11:59 pm (Banner closes, December 20 at noon)
- Staff returns from holiday break on Tuesday, January 3rd, 2017 🎄️ 🥂
More References & Reminders...

See our college website for the following:

- Committee Representative list 2016-2017
- Winter 2016 Committee reports and synopses, *coming soon!*
- Committee Charges
- Faculty Directory will be emailed directly to you, *coming soon!*
- Beloit Mindset List
- Calendar of Dean’s Office dates/deadlines
More info?  www.gvsu.edu/pcec
Want to know what is in the news? www.gvsu.edu/pcec
Want to know your students better?

- Blackboard will now feature the photo of students enrolled (official GVSU ID picture)

- This is only available to faculty, based on the students actively registered for your course

**Bb Photo Roster**

In Spring/Summer 2016, a new feature was implemented in Blackboard to enhance personal connections between faculty and students. Blackboard now has class photo rosters available for faculty to help them learn students’ names. Photos are visible only to the faculty who are instructors of record for a specific course. Each Blackboard course site contains a photo roster that will display the official GVSU ID photographs of enrolled students. Photos are displayed for actively enrolled students only. When a student enrolls in a course, their picture will automatically be added to the Blackboard course class photo roster. If they drop a course, their name and photo will automatically be removed from the Blackboard course class photo roster. For additional information please see the Photo Roster for Students or contact the Registrar's Office at regdept@gvsu.edu or 616-331-3327.
University Opening Address and Convocation

*Friday, August 26...tomorrow*

- 10 a.m. – Opening address for Faculty & Staff - President Haas, Cook-DeWitt Center, Allendale Campus
- 11:30 a.m. – Fall Convocation ceremony, Fieldhouse Arena – rsvp to Dean of Students (x3585) to process, but attendance is open to all

*NOTE: The all campus picnic is not being held this year following convocation*
Welcome

Dr. Vijay Bhuse
CIS – Assistant Professor

Education
Bachelor of Technology - Computer Science – Babasaheb Ambedkar Technological University
Ph.D. Computer Science – Western Michigan University
Postdoctoral Fellow – Dartmouth College
Welcome

Ms. Elizabeth Brand
PCEC Academic Advisor

Education
BA – Communication – *Hope College*
MEd – College Student Affairs Leadership – *Grand Valley State University*

Experience
Academic Specialist – *Michigan State University*
Welcome

Ms. Kathryn Christopher
EGR – Visiting Faculty

Education
BSE – Engineering, PDM

Grand Valley State University
Welcome

Mr. Joel Kimball
EGR – Affiliate Faculty

Education
• BS – Liberal Arts - *Central Michigan University*
• MS – Physics – *University of North Carolina*
• Ed.S. – Education Specialist – *University of Alabama*
• MSE – Electrical Engineering – *University of Alabama*
Welcome

Mr. Ted Kocharian
EGR – Affiliate Faculty

Education
B.Sc. – Mechanical Engineering – Tehran Polytechnic (Amir Kabir) University
MSE – Mechanical Engineering – University of Toronto
Welcome

Dr. Ryan Krauss
EGR – Associate Professor

Education
BS – Mechanical Engineering – Michigan Technological University
MS – Engineering Mechanics - Virginia Polytechnic Institute & State University
Ph.D. – Mechanical Engineering – Georgia Institute of Technology
Welcome

Dr. Sanjivan Manoharan
EGR – Visiting Faculty

Education

• BS – Aerospace Engineering - *Embry-Riddle Aeronautical University*
• MS – Aerospace Engineering - *Embry-Riddle Aeronautical University*
• Ph.D. Mechanical Engineering – *University of Cincinnati*
Welcome

Dr. Jared Moore
CIS – Assistant Professor

Education

BS – Computer Science and Information Technology – Central Michigan University

MS - Computer Science – Central Michigan University

Ph.D. – Computer Science – Michigan State University
Welcome

Ms. Mary Nuznov
PCEC Academic Advisor

Education
BA – Communication Studies – Grand Valley State University
MA – Communications Studies – Ball State University
Graduate Certification in Academic Advising – Kansas State University
Welcome

Mr. Brooks Schaefer
EGR – AP Freshman Lab Supervisor

Education
BS – Mechanical Engineering – University of Texas at San Antonio
Welcome

Ms. Rahat Sultana
EGR – Affiliate Faculty

Education
MSE – Product Design & Mfg. –
Grand Valley State University
B.Sc. Engineering – Bangladesh
University of Engineering & Technology
Welcome

Ms. Alisha Tirey
CIS – Affiliate Faculty

Education
BS – Technology Management - University of Findlay
MA – Educational Technology - Grand Valley State University
Welcome

Mr. Terry Stevens
EGR – Affiliate Faculty

Education
BSE – Electrical Engineering – University of Michigan

Work Experience
Welcome

Mr. Scott Zuidema –
EGR Visiting Faculty

Education

BSE – Computer Engineering
Grand Valley State University
Irwin Baby has arrived!

From Taylor Irwin (served as an EGR Affiliate):
Grayson Huggett Irwin arrived 4 weeks early, but healthy and perfect.
Changes and Updates!
Mr. Dave Huizen
OSH – Assistant Professor and Unit Head

Education

BS – Biology – Hope College
MA – Public Health – University of Michigan
Certification – Certified Industrial Hygienist – American Board of Industrial Hygiene
Dr. Nabeeh Kandalaft
EGR – Assistant Professor

**Education**
BS – Physics – *University of Jordan*

BS / MS – Electrical and Computer Engineering – *Iowa State University*

PhD - Electrical Engineering - *University of Windsor*
Ms. Diane LaFreniere

EGR – Sebastian Chair in Engineering Cooperative Education and Educational Development
Mr. Lawrence O’Boyle
PCEC – Laboratory Systems Administrator

Education
BS – Computer Science - Grand Valley State University
Mr. Ira Woodring

CIS – Affiliate Faculty

Education

BS - Special Education - Appalachian State University

BS - Computer Science - Grand Valley State University

MS - Computer Information Systems – Grand Valley State University
2017-2018 Searches

School of CIS:
• New TT faculty to support emerging IT program
• New TT faculty to support emerging Data Science program
• Replacement TT position for retirement

School of Engineering
• New TT position in ME
• Replacement TT position in ME
• Unfilled affiliate position in IE
• TT position in EE utilizing existing resources
• School Secretary (ongoing search)

Padnos College
• Replace temporary AP to support High Performance Computing
Faculty Personnel Actions Completed

Congratulations!

Contract Renewals Approved

• Jie Du, 1-3 year contract renewal
• Jeffrey Ward, 1 year contract renewal

Promotion and Tenure

• Jonathan Engelsma, Promotion to Professor
• Andrew Kalafut, Tenure & Promotion to Associate Professor
• Blake Ashby, Tenure & Promotion to Associate Professor
Faculty Personnel Actions Upcoming

These are pending action, recommendation, & approval.

Pending Contract Renewals (during Winter 2017)
- Nicholas Baine, Initial 1-3 year contract renewal
- Huihui Qi, initial 1-3 year contract renewal

Pending Tenure (& possible Promotion) (during Winter 2017)
- Robert Bossemeyer, tenure
- Lindsay Corneal, tenure
- Jeffrey Ward, tenure

PLEASE NOTE: Nominations for promotion to Associate or Assistant Professor must be submitted to the Unit Head by November 1, 2016 and the Dean’s Office by November 15, 2016.
Sabbatical Updates

Fall 2016 –
Hans Dulimarta (CIS) – A textbook for courses in mobile app development
Jonathan Engelsma (CIS) – A textbook for courses in mobile app development

Winter 2017 –
John Farris (EGR) – (was F16) Small business innovation research (SBIR) proposal to develop a sit-to-stand transfer device for use in intensive care units
M.M. Aziz Rahman (EGR) - Application of advanced power electronics concepts to a novel AC to DC soft switched converter technology
Wendy Reffear (EGR) - Investigation & development of a textbook incorporating active learning modules to enhance student learning of machine design
Future Sabbatical Plans

**Fall 2017 –**

Blake Ashby (EGR) - Investigation of biomechanical work measures through postponed from W17 experimental motion capture of the standing long jump

**Winter 2018 –**

Sung-Hwan Joo (EGR) – Development of an Interactive program interface for learning postponed from F16 finite element analysis (FEA) in various engineering courses

**Reminder to all:**

*Future sabbatical eligibility is based upon* completed post-sabbatical reports being received, *per your sabbatical contract with the Provost Office.*
Dean’s Office Hours – Fall 2016

These are also listed on the calendar and email reminders will be sent prior to the dates.

Scheduling a time with the deans office is appreciated, however, walk-ins are welcome.

- Monday, September 26, 3-5 pm – downtown, KEN 332
- Wednesday, September 28, 3-5 – Allendale, MAK C 2-204
- Tuesday, October 4, 8:30-10:30 – downtown, KEN 332
- Thursday, October 6, 8:30-10:30 – Allendale, MAK C 2-204

If none of the listed times will work and you would like to chat with the Dean, the office staff is able to schedule a mutually available time.
School of Engineering is ramping up for their ABET visit November 6 - 8, 2016.
UNIVERSITY FACILITIES UPDATE

- Holton – Hooker Living/Learning Center (open for fall 2016)
- Recreation Center Expansion (open for fall 2016 and continuing)
- Performing Arts Center Expansion (in process)
- Health campus expansions
  - Lafayette Facility
    – private funding & preparing for ground breaking
  - Michigan Avenue Facility
    – approved by the state for planning
ADVISING AREA UPDATE

Advising in Allendale!
Advisors are now located in Mackinaw Hall
MAK 208/210/212, C wing
FACILITIES & INFRASTRUCTURE PROGRESS IN 2015/16

• New CIS Student Success Center in MAK
• New CS & IS Senior Project Labs
• Expanded Advising Offices in MAK
• Expanded Faculty Offices in MAK
• Enhancements to DTE – EMC Facility
• Substantial equipment upgrades in all academic units
• Improved storage for K-12 outreach at 609 Watson
• Expanded HPC capabilities
• Larger and improved data security lab in process
2016-2017 Potential Goals

1. Assisting the School of Engineering with their ABET review

2. Facilitate proposals for IT and Data Science programs

3. Facilitate discussion of emerging expectations regarding unit & college personnel standards documentation

4. Advocating for more resources
   - Assessing impact of explosive enrollment growth
   - Facilities changes and advocating for more facilities
     - New CIS data security lab
     - Expanded ECE lab
     - Additional classroom space
     - Additional offices for faculty
     - Longer term facilities planning / request
   - Faculty
   - Staff
   - Expanding external support
     - Programmatic support
     - Student support

5. Support the emerging comprehensive campaign

6. Support the High Performance Computing project
Unit Activities – Afternoon Session

- EGR – Meeting in Mackinaw Building, Room D-1-129
- CIS - Meeting in Mackinaw Building, Room D-1-117
- OSH – Meeting in Mackinaw Building, C-2-204 (CIS Conference Room)
- Student Services – Meeting in Mackinaw Building, Room B-2-226
Highlights & In the News!
GVSU Computer Science & Information Systems Receive 6-year Accreditation from ABET

Congratulations to the School of Computing and Information Systems for receiving a 6-year ABET accreditation! The 6-year accreditation is the maximum possible; no deficiencies, weaknesses, or concerns were noted.

Fall 2015
Padnos College School of Engineering Ranked in Top 50 Best Engineering Programs

Along with Grand Valley State University being named a top university in the Midwest and a best value by U.S. News & World Report, the School of Engineering was ranked 46th for “Best in Undergraduate Engineering” programs.

Fall 2015
Padninos College
School of Computing & Information Systems

Ranked #1
Two years in a row by
College Factual
OSH Craft Brewery Training Videos Gain National Exposure

“...The OSH department had created the only platform in the nation that specifically provided safety and health training to craft brewers.

We were then tasked with eliminating Michigan specific safety and health requirements and replacing them with requirements from the Occupational Safety and Health Administration. This required new scripting, revision of written content, rewriting quiz questions, and editing videos. The final product was released for their membership on September 7th.” –Dave Huizen, Assistant Professor

Fall 2015
GVSU & West Michigan Aviation Academy partner to advance STEM education

A new collaboration between Grand Valley State University and West Michigan Aviation Academy will support high school students learning about science, technology, engineering and math as they pursue careers focused on aviation.

Winter 2016
Millennials Develop YGR Mobile App and Strategy to Retain College Graduates

A partnership between the City of Grand Rapids and Grand Valley State University developed last year to attract and retain college graduates to the greater Grand Rapids area.

The project was initiated by Mayor George Heartwell and was completed as an IS Senior Capstone project by one of Professor David Lange's student groups. It was presented to the Grand Rapids City Commission where Mayor Heartwell was very complimentary of their work.

Winter 2016
GVSU Research Aims to Increase Mobility for Children with Disabilities

Grand Valley State University students conducted a unique study to decipher if power mobility training results in changes to the range of EEG (electroencephalogram) activity of children who have multiple and severe disabilities.

The study involves a 3-year-old girl, Gabby, from Hudsonville who uses a power wheelchair trainer built by engineering students. Engineering students also track and record Gabby's brain activity.

Winter 2016
GVSU Engineering Celebrates 30 Years of Co-op Education

What started as a handful of students in 1986 has grown to nearly 300 junior- and senior-level students this year. As the School of Engineering grew in enrollment, so did cooperative education, a program that requires students to complete a full year of paid intern work for an employer.
A group of students are working to revitalize Grand Valley's National Society of Black Engineers chapter, founded in 2000. In March, the School of Engineering sponsored a group of students to attend the NSBE National Convention in Boston, where chapter president Tamarind Forbes said she met fellow aspiring African American engineers.

Spring 2016
PDM Student Leads Team to Grand Prize in Greenlight Michigan Innovation Competition

Product Design and Manufacturing senior, Jordan Vanderham, led a team of students to the grand prize at the 2016 GreenLight Michigan competition.

Startup company, Orindi Ventures, pitched a low profile face mask that “allows the user to breathe warm air and reduce energy expenditure in the coldest of environments.”
Student Using $25,000 Prize to Develop Thermal Mask

Jordan Vanderham, a junior majoring in product design and manufacturing, said he is using the $25,000 first-place prize money he recently won to develop his idea for a thermal energy conservation mask.
CIS Graduate students Roland Heusser and Camila Penaloza renovate the Laker Mobile iOS app, upgrading it to the most recent standards of the mobile application development industry.

The original Laker Mobile app was released in 2010 with some updates in 2014.
CIS Professor Greg Wolffe Receives 2016 Glenn A. Niemeyer Award

Congratulations! to Professor Greg Wolffe for receiving the 2016 Glenn A. Niemeyer award from Grand Valley State University.

The Glenn A. Niemeyer Awards, named after the first Provost of Grand Valley State University, honor faculty who are recognized for their commitment to excellence in teaching, scholarship and service.

Spring 2016
Hastings Charter Township Receives Governor's Excellence in Recycling Award

A project partnership between Grand Valley’s School of Engineering (with Prof. Nick Baine) and Hastings Township was aimed at bringing sustainable, portable recycling stations to underserved rural communities.

Their efforts were honored with the Governors Excellence in Recycling Award at a ceremony in May in Plymouth, Michigan.

Spring 2016
Associate Professor, Wendy Reffeor, received the Pew Teaching Excellence Award this year!

Nominees are selected by students, alumni, other faculty, or academic units.
EMC Engineering Lab Expands

Thanks to a three-year, $300,000 gift from the DTE Energy Foundation, an engineering lab has been expanded and upgraded.

This gift will allow GVSU to expand a center that helps local businesses design and test electrical devices entering the marketplace.

The facility, renamed the DTE Energy Foundation Electromagnetic Compatibility Lab is the first of its kind in West Michigan.

Spring 2016
Prof. Cheryl Kautz Receives Blackboard Exemplary Course Award

Cheryl Kautz, Affiliate Faculty in the School of Computing and Information Systems at GVSU, recently received the 2016 Blackboard Exemplary Course Award for her Internet Media and Programming class.
Was your news missing?

Send your information to Michelle Lindale to be included here and in our PCEC newsletter!