

Using Campus Resources to Create Publication Opportunities

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Professional Development
Day
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List of Resources

- ◆ Teaching Scholar Fellowships
- ◆ Dissertation
- ◆ Teaching & Learning Mini-grants
- ◆ Faculty Improvement Grants
- ◆ Flies Fellowships
- ◆ Re-assigned time
- ◆ Graduate student projects
- ◆ Undergraduate Research Conference
- ◆ On-campus projects
- ◆ Sabbatical
- ◆ Faculty Research Grants

Teaching Scholar Fellowship

- ◆ Each Fellow will be engaged in a project and outcomes that will involve both teaching and scholarship in some specific relationship. As Fellow enhance their own learning as teaching scholars, so too, will student enhance their learning in partnership with the faculty
- ◆ Application Deadline – mid October
- ◆ Taxable stipend of \$6,000
- ◆ \$300 for related supplies, fees or travel;
- ◆ Award not be based on any formula or quotas by college, tenure status, rank, or years of experience

Teaching Scholar Fellowship Guidelines

- ◆ Full-time faculty who are tenured, tenure-track (probationary), or non-tenure track, are eligible to apply.
 - ◆ Fixed-term faculty are not eligible to apply
- ◆ Fellowship may not be used adjacent to any sabbatical leave
- ◆ Fellowship may not be used to complete a terminal degree
- ◆ Preference will be given to those faculty who have not previously been designated as Teaching Scholar Fellows

Teaching Scholar Fellowship Guidelines

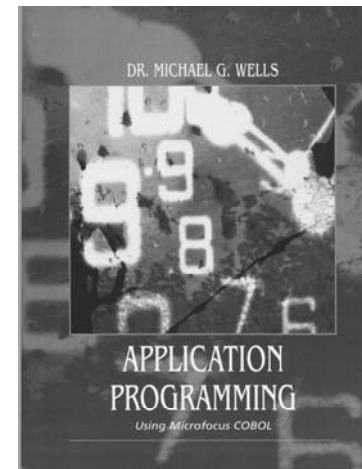
- ◆ Eight-week period in the summer
- ◆ Fellows may not be engaged in or accept any other salary during Fellowship
- ◆ Requires written report of the completed project
- ◆ Teaching Scholar Week presentation
- ◆ Continued full-time service to the University is required during the year following the award

Teaching Scholar Fellowship Application Examples

- ◆ 2001 - Improving the Application Programming Course
- ◆ 2003 - Evaluating Whether Learning Objectives Have Been Achieved in Computer Science Curriculum (Not accepted)
- ◆ 2005 - Completing an Application Programming Textbook Manuscript for Submission for Textbook Publication

Research Results

- ◆ Wells, M. G. (2005). *Application Programming Using Microfocus COBOL*. Mason, Ohio: Thomson Publishing.



Dissertation

- ◆ "Application of Internet Technology to Business Process Reengineering: An Exploratory Study of Critical Success and Failure Factors"
- ◆ Use of committee
 - ◆ Dr. Sang Lee - MIS
 - ◆ Dr. Les Digman – Business Strategy
 - ◆ Dr. James Impara - Statistics
 - ◆ Dr. Susan Wiedenbeck – HCI/Computer Science

Dissertation Publications

- ◆ Wells, M.G. (1997). Using Internet, Intranet, and Extranet Applications for Competitive Advantage. *Proceedings of the National Decision Sciences Institute, USA.*
- ◆ Wells, M.G. (1999). Issues Relating to Successfully Implementing Business Process Reengineering Using the Internet as an Information Technology Enabler. *Proceedings of the National Decision Sciences Institute, USA.*
- ◆ Wells, M. G. (2000). Business Process Re-engineering Implementations Using Internet Technology. *Business Process Management Journal.* 6(2), 164-184.
- ◆ Wells, M. G. (2003). Can Egalitarian Culture Make a Difference for IT Organizations but Not for IT Consulting Organizations? *Proceedings of the National Decision Sciences Institute, USA.*

Teaching & Learning Mini-grant

- ◆ Proposals must be directly related to teaching and learning issues
- ◆ Multiple deadlines throughout academic year
- ◆ Up to \$2000

Teaching & Learning Mini-grant

- ◆ Must be full-time MSU faculty who are involved in undergraduate education
- ◆ Work with the Director of CETL
 - ◆ determine the project timeline
 - ◆ requirements for the final assessment
- ◆ Present work in a public forum

Teaching & Learning Mini-grant Application Examples

- ◆ 2004 - Laptop/UCompass
 - ◆ (Not accepted)
- ◆ 2004 - Implementation of VB.NET
 - ◆ (Not accepted)
- ◆ 2005 – Substantially modify Database I curriculum for MIS major
 - ◆ (Accepted)

Research Results

- ◆ Article(s) likely forthcoming if ever receive Mini-grant funding

Faculty Improvement Grants

- ◆ FIGs are designed to provide funding for faculty members to improve performance in one of the five criterion:
 - ◆ Teaching
 - ◆ Scholarly or creative activity
 - ◆ Continuing preparation and study
 - ◆ Contributions to student growth and development
 - ◆ Service to the university and community
- ◆ Grants will be awarded up to a maximum of \$2,500 per each full-time equivalent for a four-year period

Faculty Improvement Grants

- ◆ Faculty member submits a completed FIG application to the office of the dean
 - ◆ Activities to occur on or before June 30, 2006
 - ◆ September 9, 2005
 - ◆ Before June 30, 2006 & between July 1 – December 31, 2006
 - ◆ December 9, 2005
 - ◆ Before June 30, 2006 & July 1, 2006 – June 30, 2007
 - ◆ March 24, 2006
- ◆ Staff members in the office of the vice president prepare and distribute copies of the FIG applications to the members of the Faculty Improvement and Sabbatical Leave Sub Meet and Confer
 - ◆ September 12 – 16, 2005
 - ◆ December 12 – 16, 2005
 - ◆ March 27 – 31, 2006

Faculty Improvement Grants

- ◆ Members of the Faculty Improvement and Sabbatical Leave Sub Meet and Confer review the FIG applications, and forward recommendations on the awarding of grants to the vice president
 - ◆ September 19 – October 5, 2005
 - ◆ January 11 – February 1, 2006
 - ◆ April 3 – 19, 2006
- ◆ Vice president makes decisions on faculty improvement grants
 - ◆ October 7, 2005
 - ◆ February 3, 2006
 - ◆ April 21, 2006

FIG Completion

- ◆ Submit "Grant Follow-Up Report"
 - ◆ Academic Affairs
 - ◆ Within two weeks of completion
- ◆ Submit "SEMA4 Employee Expense" form
 - ◆ Attachment

Faculty Improvement Grants

- ◆ 2005 - Information Security Training for CISSP Certification

Research Results

- ◆ Article on Information Security
 - ◆ (in-progress)

Flies Fellowships

- ◆ Purpose is to stimulate and strengthen ties between CSET faculty and industry in ways that will benefit student learning
- ◆ Deadline is late fall
 - ◆ December 15, 2005
- ◆ Not available every year

Flies Fellowship

- ◆ Maintain employment at MSU for one year following the end of the Fellowship Award
- ◆ Awards range between \$2,500 and \$5,000
- ◆ Can be a part of a regular academic year, or as part of a sabbatical leave

Flies Fellowship

- ◆ Two page description of the proposed science and/or engineering project
- ◆ Budget
- ◆ Explanation of how the applicant will fit the fellowship experience into the curriculum to benefit students
- ◆ Timetable

Flies Fellowship

- ◆ Supporting letter from the company CEO
- ◆ Schedule for a scientist/engineer from the participating company to have direct campus experience at MSU
- ◆ Intellectual property rights statement

Flies Fellowship

- ◆ 1998 – Taylor Corporation
 - ◆ Project Estimation
- ◆ 2001 – Hickory Tech
 - ◆ Software Testing
- ◆ 2004 – GMAC-RFC
 - ◆ Data Privacy
- ◆ 2005 – Brown Printing (application submitted)
 - ◆ Oracle Forms

Research Results

- ◆ Wells, M. G. (2000). Software Development Cost Estimation Software: A Practical Combination of the Function-based and Learning-Based Models. *Proceedings of the National Decision Sciences Institute, USA.*
- ◆ Wells, M. G. (2001). Using Industry Relationships to Enhance Software Engineering Curriculum. *Proceedings of the American Society for Engineering Education, USA.*
- ◆ Data Privacy Issues Case Study
 - ◆ (in-progress)

Re-assigned Time

- ◆ 2002-03 Corporate Culture (accepted)
- ◆ 2003-04 Human-Computer Interaction (denied)
- ◆ 2004-05 Procedural Programming (accepted)
- ◆ 2005-06 Microsoft Academic Alliance (accepted)
- ◆ 2006-07 Information Security (applied)

Research Results

- ◆ Wells, M. G. (2003). Can Egalitarian Culture Make a Difference for IT Organizations but Not for IT Consulting Organizations? *Proceedings of the National Decision Sciences Institute, USA.*
- ◆ Wells, M. G., Klammer-Kruse, S., Zafar-Ahmed, D., Zafar-Ahmed, Q. (2005). Does the Addition of a Procedural Oriented Programming Language Increase Students' Confidence When Using Programming Concepts? *Proceedings of the National Decision Sciences Institute, USA.*
- ◆ Wells, M. G. (2006). Student Perceptions of Microsoft's Academic Alliance Software Distribution System (Submitted to the Information Systems Track of the 2006 National Decision Sciences Institute Conference)

Graduate Student Projects

- ◆ Research Topics course
- ◆ Independent Study
- ◆ Thesis chair/committee member
 - ◆ Inside/outside department

Research Results

- ◆ Pan, Y. & Wells, M.G. (1999). Involving SQA Teams in Software Reuse Activities. *Proceedings of the Midwest Decision Sciences Institute, USA.*
- ◆ Chowdhary, S. & Wells, M.G. (1999). Two-tier v/s Three-tier Client Server Architecture. *Proceedings of the Midwest Decision Sciences Institute, USA.*
- ◆ Wells, M. G. & Rahman, N. (2004). Does Web Interface Training Improve the Usability of Student Web Interface Design During a Data Communications and Networking Course? *Proceedings of the National Decision Sciences Institute, USA, 2221-2226.*
- ◆ Wells, M. G. & Rahman, N. (2004). 5 Simple Rules for Developing My Interface. *Proceedings of the Midwest Instruction and Computing Symposium, USA.*

Undergraduate Research Conference

- ◆ Grant Application Deadline
 - ◆ October 14th, 2005
- ◆ Abstract and Application to Present Deadline
 - ◆ February 27th, 2006
- ◆ URC Conference
 - ◆ April 24th and 25th, 2006
- ◆ Proceedings of the Undergraduate Research Conference Submission Deadline
- ◆ Journal of the Undergraduate Research Conference Submission Deadline
- ◆ www.mnsu.edu/research/URC/

Undergraduate Research Conference

- ◆ Bruns, S., 2000. Software Development Cost Estimation Software: A Practical Combination Of The Function-Based And Learning-Based Models. 2000 Proceedings - Minnesota State University, Mankato Undergraduate Research Conference.
- ◆ Ryland, T., Sajjad, M., and Sharp, J., 1999. Methodology for Assessing Quality Software. 1999 Proceedings - Minnesota State University, Mankato Undergraduate Research Conference.
- ◆ Originated from Software Engineering course

Related Research Results

- ◆ Wells, M. G. (2000). Software Development Cost Estimation Software: A Practical Combination of the Function-based and Learning-Based Models. *Proceedings of the National Decision Sciences Institute, USA.*

On-Campus Projects

- ◆ Brown Campus Technology Cooperative
 - ◆ Starting this semester
- ◆ GMAC-RFC
 - ◆ Currently unsuccessful
- ◆ Thompson/West Group
 - ◆ Negotiations ongoing

Scan in Document about Brown project

- ◆ ???

Research Results

- ◆ Flies Fellowship Report
 - ◆ GMAC-RFC's Data Privacy Issues
 - ◆ Future Case Study article
- ◆ "Increasing Industry Ties for MIS Students: Bringing Industry Projects On-campus"
 - ◆ ongoing

Sabbatical

- ◆ **Purpose of a sabbatical leave:**
 - ◆ enhance professional development
 - ◆ support department/unit goals
 - ◆ meet the instructional, service, or research priorities of the university
- ◆ **President grants a sabbatical leave**
- ◆ **Eligibility for sabbatical leave:**
 - ◆ completed at least 7 years of service at the university
 - ◆ have at least 6 years of service since the conclusion of a faculty member's previous sabbatical leave.

Sabbatical

- ◆ **Submit a written proposal for sabbatical leave**
- ◆ **Submit a written report of the results of the sabbatical**
- ◆ **The faculty member shall agree in writing to return to the university for at least one year of service after the conclusion of the sabbatical**
- ◆ **Faculty members on sabbatical leave may accept:**
 - ◆ scholarships
 - ◆ fellowships
 - ◆ grants
 - ◆ employment

Sabbatical

- ◆ **Sabbatical leaves may be granted for:**
 - ◆ **One semester**
 - ◆ full base salary
 - ◆ **Full academic year**
 - Two-thirds (.667) of base salary
 - Second full-year sabbatical
 - ◆ 80% of base salary
 - Subsequent full-year sabbaticals
 - ◆ 90% of base salary

Research Results

- ◆ **"Increasing Industry Ties for MIS Students: Bringing Industry Projects On-campus"**
 - ◆ ongoing

Faculty Research Grants

- ◆ Encourage excellence in research, scholarship, and creative activities
- ◆ Tenure-track, tenured, and returning fixed term faculty
- ◆ Bonus to new faculty and faculty not received FRG in 5 years
- ◆ One proposal per faculty member per cycle
 - ◆ Mid-October
 - ◆ Mid-March

Faculty Research Grants

- ◆ Reviewed by peers outside area of expertise
- ◆ Complete Proposal
- ◆ Budget
 - ◆ Up to \$5000
- ◆ Final Report
 - ◆ Director of Research and Sponsored Programs

NSF Grant Application

- ◆ 2001-02 NSF Combined Research Curriculum Development Grant
- ◆ Dr. Christophe Veltsos and Dr. Michael Wells
- ◆ "Software Engineering Curriculum Innovation through Extreme Programming"
- ◆ Investigate the relationship between software engineering and extreme programming concepts.

NSF Grant Application

- ◆ Reviewer's comment spawned additional research
- ◆ Wells, M. G. & Veltsos, C. (2002). Implementing Extreme Programming into Management Information System's Curriculum to Better Prepare Students for the Accelerating Pace of Technological Change. *Proceedings of the National Decision Sciences Institute, USA.*

Suggestions

- ◆ Combine sources and resources for article(s)
- ◆ Interdisciplinary work
- ◆ Combine teaching resources/interests and research
- ◆ Collaborate

Suggestions

- ◆ Make time for research
- ◆ Keep applying/trying
- ◆ Work on multiple pieces of research simultaneously
- ◆ Get it "Out the Door"

Office of Research and Sponsored Programs

- ◆ Encourages and assists MSU faculty and staff to identify and apply for external funding for their research, scholarship, and creative activities.

– **Susan J. Kuyper, Director**

◆ 507-389-2322

◆ susan.kuyper@mnsu.edu

◆ www.mnsu.edu/research/

Center for Excellence and Learning

- ◆ Promotes excellence in teaching and learning by providing resources, Faculty Learning Communities, communication and strategies to support, strengthen and recognize high quality and innovative teaching. The Center offers a place for all instructors to meet formally and informally to support each other in the scholarship of teaching.

◆ **Stewart Ross, Director**

◆ **Location:** Morris Hall 267

◆ **Phone:** 507-389-1098 or 507-381-7515 (cell)

◆ **E-mail:** cecl@mnsu.edu

Center for Excellence and Learning

◆ Two faculty fellows

◆ **Nan Johnson-Curiskis**
– Speech Communication

◆ **Gwen Griffin**
– English

◆ **50% in the CETL and 50% the classroom**

◆ www.mnsu.edu/cetl/

Academic Affairs

◆ **Dr. Scott Olson**

◆ **VP of Academic Affairs**

◆ 315 Wigley Administration Center

◆ Phone: (507) 389-1333

◆ academic-affairs@mnsu.edu

◆ www.mnsu.edu/acadaf/

Questions???

*“Judge of a man by his questions
rather than by his answers”*

☞ Voltaire