

Coppin State University's 5th Annual

# Information Technology in Teaching and Learning Conference



***Celebrating Our Journey: Innovation and  
Leadership in Teaching and Learning Using  
Technology***

Thursday, May 21, 2009 | 8:00 a.m. to 4:30 p.m.  
Health and Human Services Building



**Sponsored by**

Office of the Provost/Vice President for Academic Affairs

Office of Information Technology

Faculty Information Technology Committee

***Keynote Speaker***

***Dr. Michael Wesch***

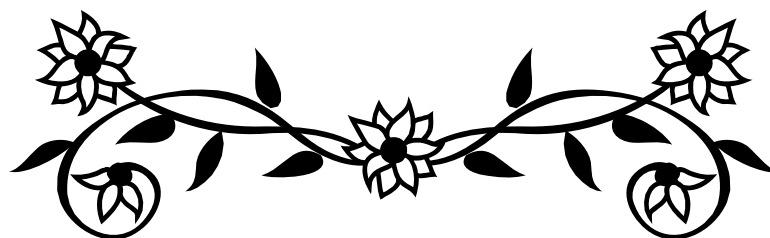
**Cultural Anthropologist, Kansas State University**



Dubbed "the explainer" by Wired magazine, Dr. Michael Wesch is a cultural anthropologist at Kansas State University exploring the impact of new media on human interaction. After two years studying the effects of writing on a remote indigenous culture in the rain forest of Papua New Guinea, he has turned his attention to the impact of social media and digital technology on global society. His videos on technology, education, and information have been viewed over ten million times, translated in over 15 languages, and are frequently

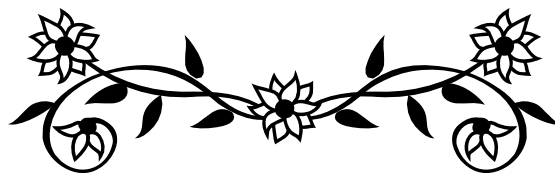
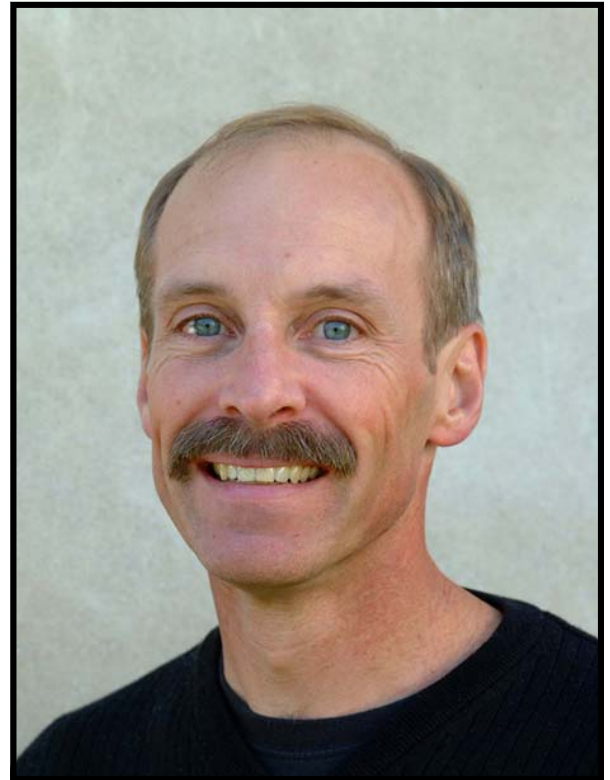
featured at international film festivals and major academic conferences worldwide.

Dr. Wesch has won several major awards for his work, including a Wired Magazine Rave Award and the John Culkin Award for Outstanding Praxis in Media Ecology. He is also a multiple award-winning teacher whose teaching projects are frequently featured in the Chronicle of Higher Education and other major media outlets worldwide.



***General Session Speaker***  
***Dr. Malcolm B. Brown***  
**Director of Academic Computing, Dartmouth College**

Dr. Malcolm B. Brown is Director of Academic Computing at Dartmouth College. His group supports faculty and students, the applications of information technology in research and in the curriculum, and oversees classroom technology. He has worked actively with the Educause Learning Initiative (ELI), contributing chapters to the ELI eBooks, helping to plan focus sessions, and serving on the ELI Advisory board. He has been a member of the Educause Evolving Technologies committee and is currently on the faculty of the Educause Learning Technology Leadership workshop. He has been on the board for the Horizon Report since its inception in 2004 and served as Chair of Board of the New Medium Consortium. He is currently serving as the editor of the New Horizons column for the Educause Review. Dr. Brown holds a pair of BA degrees from UC Santa Cruz, studied in Freiburg, Germany, on a pair of Fulbright scholarships, and has a PhD in German Studies from Stanford University. He has taught several academic courses on Nietzsche and maintains the Nietzsche Chronicle web site. He is a member of the Frye Institute class of 2002. He has given presentations recently at Duke University, Long Island University, 2008 Educause MARC, Bowdoin College, and the University of North Carolina Chapel Hill, Educause Live, and the ELI Fall Focus session.



# Conference Agenda

- 8:00 a.m. to 9:00 a.m. .... Registration and Continental Breakfast ( *Exhibits Open at 8:30 a.m.*)
- 9:00 a.m. to 9:30 a.m. .... Welcome and Introductions
- 9:30 a.m. to 11:00 a.m. .... Keynote Speech  
**"Technology, Education, and Information Impact on Teaching and Learning"**  
*Dr. Michael Wesch, Cultural Anthropologist, Kansas State University*
- 11:00 a.m. to 11:15 a.m. .... Explore the Exhibits
- 11:15 a.m. to 11:50 a.m. .... Concurrent Presentations - Session 1
- *Working with Word: How to Use the Technological Assets of Word to Improve Instructor and Student Writing (Room 312)*•
  - *From Text Messages to TurnItIn: Assessing Written Expression Using Multiple Methods (Room 313)*•
    - *Training Pre-Service Teachers to Use Technology: Infusing Technology for Teacher Productivity and Instructional Purposes (Room 314)*•
    - *Using the Virtual Classroom to Tutor Students (Room 324)*•
- 11:50 am to 1:05 pm..... Lunch and Explore the Exhibits
- 1:10 p.m. to 2:00 p.m. .... General Session  
**"Emerging Education Technologies and Their Impact on Teaching and Learning"**  
*Dr. Malcolm B. Brown, Director of Academic Computing, Dartmouth College*
- 2:10 p.m. to 2:45 p.m. .... Concurrent Presentations - Session 2
- *From the Classroom to the Field: Teaching Geography with GPS, Part One (Room 312)*•
  - *A Paradigm Shift: From Blackboard to YouTube (Room 313)*•
  - *#!&\$ This Thing Doesn't Work!: Best Practices When Technology Goes Awry ...Uggh (Room 314)*•
  - *Using MyMathLab Functionality to Enhance DVMT Students' Learning Outcomes (Room 324)*•
- 2:45 p.m. to 3:00 p.m. .... Break and Explore the Exhibits
- 3:05 p.m. to 3:40 p.m. .... Concurrent Presentations - Session 3
- *From the Classroom to the Field: Teaching Geography with GPS, Part Two (Room 312)*•
  - *Exploring the Use of a Web Camera to Record Student Presentations (Room 313)*•
  - *Using Blackboard to Enhance Lecture-based Courses: Effect of Student PowerPoint Access on Learning Outcomes and Discussion of Quiz Assessments (Room 314)*•
  - *Nanotechnology in COMSOL Scientific Software (Room 324)*•
- 3:45 p.m. to 4:30 p.m. .... Awards and Conference Closing

# *Abstracts of Presentations*

**SESSION 1: 11:15 A.M. TO 11:50 A.M.**

## **Working with Word: How to Use the Technological Assets of Word to Improve Instructor and Student Writing (Room 312)**

*Dr. Roger Stritmatter*

For nearly two decades, Microsoft and other word processing software designers have made use of writing tutorial software (spell and grammar checkers) to assist writers in producing coherent and correct documents. How many of us make full use of these software features to improve our own writing? This presentation will review the assets of Word and open a discussion about how to make more effective use of them in writing pedagogy “across the curriculum.”

## **From Text Messages to TurnItIn: Assessing Written Expression Using Multiple Methods (Room 313)**

*Dr. Tracey Murray, Professors Lucille Belgrave and Vaple Robinson*

This presentation focuses on methods used to enhance communication with students while influencing written expression. The focus of the presentation will provide information regarding how to successfully integrate multiple technology modalities into classroom instruction. The multiple mediums discussed will include: Text Messages, Email, Discussion Platforms, Blackboard Platforms, Interactive Mediums, Digital Presentations, Electronic Conferencing and TurnItIn. The presenters will explore the overall student and faculty advantage as well as present the findings of the perceived benefit associated with the use of such mediums.

## **Training Pre-Service Teachers to Use Technology: Infusing Technology for Teacher Productivity and Instructional Purposes (Room 314)**

*Drs. Juanita Ashby-Bey and Thomas James*

The School of Education is committed to ensuring that our pre-service teachers are technology literate and able to infuse this knowledge into the classroom for PreK-12 students. A huge measure of our effectiveness as a School of Education is determined by how well prepared our pre-service teachers are to teach using technology. Our curriculum must adhere to the Maryland Teacher Technology Standards (MTTS), which mandates that pre-service teachers are able to access, evaluate, and process information using technology, communicate effectively using technology, and understand and practice legal, social, and ethical issues as they relate to technology. All pre-service teachers who graduate from the School of Education are required to demonstrate competence in these standards, by demonstrating the effective use of the Internet, MSWord, MSPowerPoint, MSEXcel, and other software applications for teacher productivity and instructional purposes. Additionally, all pre-service teachers are required to complete an Electronic Professional Portfolio and develop an Instructional Webpage, both of which are used to demonstrate the pre-service teacher’s knowledge of MTTS and how effectively they align program course work and content with professional standards.

## **Using the Virtual Classroom to Tutor Students (Room 324)**

*Prof. Denyce Watties-Daniels*

Classroom time and office hours are often limited. Discover alternate ways to assist and remediate students by using technology that is readily available. By adapting skills used in text messaging, you can effectively tutor students in a virtual environment. This presentation will discuss the effects of virtual classroom sessions on student learning and identify skills and technology needed to conduct a virtual classroom session.

**SESSION 2: 2:10 P.M. TO 2:45 P.M.**

**From the Classroom to the Field: Teaching Geography with GPS, Part One (Room 312)**

*Dr. Doug Reardon*

*Mr. Greg Young, Co-Presenter*

Geospatial technologies are at the heart of one of the fastest growing industries in the country. In response, Coppin State is rapidly expanding the opportunities for undergraduates to learn about Geographic Information Systems, Remote-Sensing Satellites and the Global Positioning System. This is a two part session. The first session will introduce audience members to the technologies' applications in teaching and learning and will showcase the work of students, including Greg Young, who is mapping Coppin's greenhouse gas footprint with these technologies. Then, – weather permitting- audience members can gain some hands on experience using GPS devices on an enjoyable outdoor "scavenger-hunt" that replicates some of the activities undertaken by students. \*\*\*NOTE: This session will last from 2:10 pm to 3:40 pm

**A Paradigm Shift: From Blackboard to YouTube (Room 313)**

*Dr. Tracey Murray, Professors Lucille Belgrave and Vaple Robinson*

The purpose of this presentation is to provide relevant information regarding how to increase interaction within the Blackboard format. There is a need to transition from posting of documents to ensure that the format is helpful and interactive for the student user. The presentation will provide helpful information regarding teaching strategies that are beneficial in the teaching learning environment. The strategies that will be discussed include the interactive topical outline, hyperlinks, integration of TurnItIn and Blackboard Testing.

**Using MyMathLab Functionality to Enhance DVMT Students' Learning Outcomes (Room 314)**

*Dr. Min A*

This presentation focuses on the using of *MyMathLab* instructional software in the DVMT courses at Coppin State University. The presenter will explain how the *MyMathLab* software allows students to improve their skills; discuss how the DVMT instructors personalize the courses by combining rich online course materials from *MyMathLab* with Blackboard's easy-to-use online course management tools, and utilize tutors for individual assistance to students in the computer labs; share how the Department of Mathematics and Computer Science can use *MyMathLab* to offer online courses, reduce rental expenditures and improve the training of part-time faculty; and provide useful information about other schools' success stories using comparable technology.

**%#!&\$ This Thing Doesn't Work!: Best Practices When Technology Goes Awry...Uggh (Room 324)**

*Prof. Denyce Watties-Daniels*

You've planned your presentation; developed the PowerPoint; figured out how to clip the mike on; practiced all of your jokes and WHAMMM! You can't get the equipment to work. This presenter will discuss techniques to salvage a presentation, identify effective strategies to include in a "Plan B" presentation, and overcome classroom equipment failure.

**SESSION 3: 3:05 P.M. TO 3:40 P.M.**

**From the Classroom to the Field: Teaching Geography with GPS, Part Two (Room 312)**

*Dr. Doug Reardon*

*Mr. Greg Young, Co-Presenter*

Geospatial technologies are at the heart of one of the fastest growing industries in the country. In response, Coppin State is rapidly expanding the opportunities for undergraduates to learn about Geographic Information Systems, Remote-Sensing Satellites and the Global Positioning System. This is a two part session. The first session will introduce audience members to the technologies' applications in teaching and learning and will showcase the work of students, including Greg Young, who is mapping Coppin's greenhouse gas footprint with these technologies. Then, – weather permitting- audience members can gain some hands on experience using GPS devices on an enjoyable outdoor "scavenger-hunt" that replicates some of the activities undertaken by students. \*\*\*NOTE: This session will last from 2:10 pm to 3:40 pm

**Exploring the Use of a Web Camera to Record Student Presentations (Room 313)**

*Prof. Dionne N. Curbeam*

The practice of videotaping student presentations can serve as a self-analysis tool for students and a tool for faculty to assist with grading the presentations. Although video recording student presentations is an ideal practice, faculty are presented with challenges, including several classrooms not being equipped with video equipment, the lack of a video equipment for check-out, and the cumbersome challenge of carrying a lot of video equipment. This presentation will discuss results of an action-research project where a web camera was used to videotape presentations in several Speech 105 courses.

**Using Blackboard to Enhance Lecture-based Courses: Effect of Student PowerPoint Access on Learning Outcomes and Discussion of Quiz Assessments (Room 314)**

*Dr. Katherine Cameron*

Does posting your PowerPoint lectures to a Blackboard website for students to download at their leisure aid student learning? Does periodic testing of course materials using Blackboard online Quizzes similarly enhance student learning? This presentation will focus on data from two sections of a General Psychology course and one section of an upper-level psychology course, Life-Span Development. The presenter will discuss her conclusion that providing students with lecture materials online and practice with course materials in the form of online quizzes enhanced student learning in these courses.

**Nanotechnology in COMSOL Scientific Software (Room 324)**

*Dr. Jamal Uddin*

Nanotechnology is a field of applied science that deals with arranging particles on the atomic scale. Its basic goal is to engineer functional systems at the molecular level. The prominent role of COMSOL Multi-physics software in nanotechnology research and development suggests that open source development methods might offer advantages in improving reliability, performance and accessibility. Many companies currently associated with nanotechnology produce materials, equipment and research and development services, all of which could support open source business models; however, no company yet emphasizes an open source strategy. Some molecular modeling software is already open source or public domain. Software for molecular engineering constitutes an important opportunity for open sourcing, especially if systems architectures encouraging collaboration can be further developed. Analysis suggests that the net impact of open sourcing would be to enhance safety and initiatives for open sourcing of molecular nanotechnology could be strengthened by coalition building.

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