

## Contact Information

## Work:

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TimelineTeaching Experiences

2011 – Present	Associate Professor of Technology Department of Technology Technology Management Program Information and Communications Technology Concentration. University of Southern Maine, Gorham, ME 04038
2011 – Present	Faculty in Residence – Gorham Campus, SENSE Living and Learning Community (Students Entering Nursing, Science, and Engineering)
2009 – 2011	Assistant Professor College of Business and Technology Department of Engineering Technology Graphic Communications Program Western Illinois University, Macomb, IL 61455 + Associate Graduate Professor
2006 – 2009	Assistant Professor Department of Industrial Technology Graphic Communications Program University of Northern Iowa, Cedar Falls, IA 50614 + Coordinator for the Graphic Communications Program + Graduate Faculty
2003	Adjunct Instructor – GAIT, Department of Technology, ASU

Professional Experiences

- 2001 – 2003      Appalachian State University, Boone, NC  
Department of Information Technology  
University Associate Webmaster – Computer Consultant II
- Responsibilities: Design, develop and maintain University homepage and top-tier pages, Departmental web sites. Provide training sessions with faculty and staff for internal web designs, and perform duties of computer consultant.
- 1992 – 1999      The Virkler Company, Charlotte, NC  
(1992 – 1997)      International Textile Chemical Manufacturing Company  
Communications Specialist – Trade Show Coordinator  
Responsibilities: Produced in-house and external marketing materials, technical and multimedia presentations, lab reports and product displays. Coordinated tradeshow events.
- (1997 – 1999)      International Sector - Management & Sales: Dominican Republic (DR)  
Responsibilities: Developed comprehensive report on the DR textile market. Provided public relations, customer service, shipping and receiving, product sampling, technical services, purchase orders, invoices, payments, collections, and all budget issues. Managed twenty employees, payrolls and training.
- 1989 – 1992      US Peace Corps Volunteer – Honduras (2 years) and Uruguay (1 year)  
Responsibilities: Vocational Education Sector, Small Business Development Sector, and Office Coordinator
- 1986 – 1989      Charlotte, NC  
The Charlotte Observer Newspaper, The Charlotte Post Newspaper, WSOC-TV Channel 9 (ABC affiliate), and Hilliard's Art Studio  
Various responsibilities: Graphic arts paste up, darkroom, layout, color separations, pressroom, photography, cameras, lighting, sets, news show prompters. Production team for two murals for Philadelphia, PA.

Education

- 2003 – 2006      PhD in Technology Education, concentration in Curriculum and Instruction  
College of Education  
Department of Math, Science and Technology Education  
North Carolina State University (NCSU), Raleigh, NC.
- Dissertation: The Affects of Standards-based Communication Technology Units on the Achievement of Selected Standards for Technological Literacy by Middle and High School Students in Technology Education.
- Honors: Epsilon Pi Tau (EPT)
- Teaching Assistant - Communication Technologies (Digital Imaging, DTP, Web & Video)
- Research Assistant for NSF Grant # ESI-0137811  
VisTE Project <http://www.ncsu.edu/viste>
- Research Assistant for NSF Grant # 0095726-2010  
TECH-know Project <http://www.ncsu.edu/techknow>
- 1999 – 2001      MA in Industrial Technology with concentration in Technical Communications  
Appalachian State University (ASU), Boone, NC
- Masters Research: Human perceptions of “color preferences in web design”
- Teaching Assistant: Graphic Arts and Imaging Technologies (GAIT) - Screen-printing, Desktop publishing, and Pre-press.
- 1980 – 1985      BS Communications Broadcasting, concentration in Graphic Design, Minor in Sociology  
Appalachian State University (ASU), Boone, NC

Teaching Activities

1989 – 1992	Vocational Education, Small Business Development US Peace Corps, Honduras and Uruguay
1999 – 2001	Teaching Assistant, Graduate School - Graphic Arts and Imaging Technology Program, ASU Screen Printing, Desktop / Prepress, Dark Room
2001 – 2003	Web development workshops for faculty and staff ASU, Office of Webmaster
2002 (S)	Electronic Prepress – Fundamentals of desktop publishing for print preparation. Fundamental of web design and Flash animation. GAIT, ASU.
2003 (F)	Communication Technologies I – Photography, Desktop Publishing and Printing Communication Technologies. Technology Education, NCSU.
2004 (S)	Communication Technologies I – Photography, Desktop Publishing and Printing Communication Technologies. Technology Education, NCSU.
2004 (F)	Educational Video– Fundamentals of developing and producing educational video for classroom, non-linear editing, Final Cut Express Labs. Curriculum and Instruction, NCSU.
2005 (S)	Ceramics Technologies – Fundamentals of pottery, form and function, materials, design, and glazes. Technology Education, NCSU.
2005 (S)	Digital Communications - the study of the technology and processes that are needed to produce and teach about Audio, Video, Lasers, GPS Communication technologies.. Technology Education, NCSU.
2005 (F)	Animation: Flash - Teach the fundamental of using Flash as and animation tool to create an instructional tool. Graphic Communications, NCSU
2005 (F)	Digital Communications – the study of the technology and processes that are needed to produce and teach about Audio, Video, Lasers, GPS Communication technologies. (Technology Education, NCSU.
2006 (S)	Digital Communications – the study of the technology and processes that are needed to produce and teach about Audio, Video, Lasers, GPS Communication technologies. Technology Education, NCSU.
2006 (F)	Communication Technology - Survey of tools, material, and processes used for the production of visual images and multimedia. Encompasses: technical drawing, printing, publishing, multi-media, and Internet technologies. UNI
2006 (F)	Graphic Techniques - Study of the creation and conversion of graphics for print and cross-media applications. Portfolio development for print and online. UNI
2006 (F)	Des Moines Area Community College - Carroll Campus

	Students in the UNI/DMACC/Carroll 2+2 program. Online Course. Communication Technology – UNI (7 week course)
2007 (S)	Communication Technology - Survey of tools, material, and processes used for the production of visual images and multimedia. Encompasses: technical drawing, printing, publishing, multi-media, and Internet technologies. UNI
2007 (S)	Digital Imaging - analysis digital imaging technologies with an emphasis of those tools, materials, and processes used for the production and reproduction of static visual images for possible use in print, multimedia, and Internet technologies that will include taking original pictures, scanning, and digital imaging manipulation processes. Additionally course study will explore processes for developing images for presentations, animation, and video. UNI
2007 (S)	Estimating and Management - Analysis of printing estimating that encompasses costing methods for digital and traditional graphic imaging. This course will also explore and evaluate management practices both historical and in the present day printing industry. UNI
2007 (Sum)	Web Publishing- Survey of tools for creating websites with an emphasis on usability and accessibility. Included web maintenance, templates, and 2-D animation. UNI
2007 (F)	Scientific Visualization – Study of visualization tools for the creation of 2-D animations the explored scientific and technical processes. UNI
2007 (F)	Communication Technology - Survey of tools, material, and processes used for the production of visual images and multimedia. Encompasses: technical drawing, printing, publishing, multi-media, and Internet technologies. UNI
2007 (F)	Digital Imaging - analysis digital imaging technologies with an emphasis of those tools, materials, and processes used for the production and reproduction of static visual images for possible use in print, multimedia, and Internet technologies that will include taking original pictures, scanning, and digital imaging manipulation processes. Emphasis on using Macintosh computers, Eye-One for color management, and product shots. UNI
2008 (S)	Estimating and Management - Analysis of printing estimating that encompasses costing methods for digital and traditional graphic imaging. This course will also explore and evaluate management practices both historical and in the present day printing industry. UNI
2008 (S)	Advanced Copy Preparation – advanced desktop publishing with an emphasis on Adobe CS3 tools and Macintosh computers. Problem solving skills, group work, packaging, and variable data projects. UNI
2008	Communication Technology - Survey of tools, material, and

	processes used for the production of visual images and multimedia. Encompasses: technical drawing, printing, publishing, multi-media, and Internet technologies. UNI
2008 (Sum)	Web Publishing- Survey of tools for creating websites with an emphasis on usability and accessibility. Included web maintenance, templates, and 2-D animation. UNI
2008 (F)	Web Publishing- Development of interactive Web sites with Web authoring tools; identification of targeted audience, Web site management, layout, and maintenance. UNI
2008 (F)	Digital Prepress - Desktop composition, publishing technologies for developing prepress in a digital environment. Computer design/layout of publications including typography, color management, system configurations and applications. Collaborative projects in publications. UNI
2008 (F)	Scientific Visualization - Creating 2D simulations and presentations with Flash. Developing data based graphics and charts. Producing technical presentations. Exploring available digital technologies and visual tools for visualization and presentations. UNI
2009 (S)	Graphic Communications Imaging - Explorations of conventional graphic arts imaging technologies. Screen-printing preparation methods, 2 and 3 dimensional printing, and 4 color register printing; emphasis on technical information and laboratory experiences. UNI
2009 (S)	Graphic Communications Foundations II - Practices in multiple color stripping and platemaking, and operation of lithographic, single-color presses. Includes finishing and binding, flexography, and gravure. Collaborative projects with digital prepress. UNI
2009 (S)	Advanced Digital Prepress - Design, layout, and management of complex color publications for a digital workflow environment. Collaboration of the development of digital prepress projects to be coordinated and printed. UNI
2009 (Sum)	Web Publishing – Survey of tools for creating websites with an emphasis on usability and accessibility. Included web maintenance, templates, and 2-D animation. UNI
2009 (F) (Two sections)	Electronic Desktop Publishing A study of terms, programs, and equipment used in electronic desktop publishing. An introduction and exposure to a variety of electronic desktop publishing programs and tools. Emphasis is on design, layout, and execution of techniques used in publishing. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor supervised. WIU
2009 (F)	Graphic Illustration. A study of illustration software with emphasis upon operational skills and techniques used in creating two-dimensional and three-dimensional illustrations. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor

	supervised. WIU
2010 (S) (Two Sections)	Electronic Desktop Publishing. A study of terms, programs, and equipment used in electronic desktop publishing. An introduction and exposure to a variety of electronic desktop publishing programs and tools. Emphasis is on design, layout, and execution of techniques used in publishing. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor supervised. WIU
2010 (S) (Two Sections)	Graphic Illustration. A study of illustration software with emphasis upon operational skills and techniques used in creating two-dimensional and three-dimensional illustrations. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor supervised. WIU
2010 (F)	Graphic Illustration. A study of illustration software with emphasis upon operational skills and techniques used in creating two-dimensional and three-dimensional illustrations. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor supervised. WIU
2010 (F)	Image Transfer and Printing Processes. The study of advanced printing and image transfer systems and processes. Emphasis will be upon supervised experience in graphic communications lab. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor supervised. WIU
2010 (F)	Printing Production Management. The study and application of estimation and production practices in the publishing industry. Emphasis will be on methods, planning, production, estimating, and techniques characteristic of the publishing industry. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor supervised. WIU
2011 (S)	Emerging Technologies in Graphic Communications. A focus on graphic communication processes, technologies and unique materials for developing digital graphics and documents with an emphasis on new media and emerging technologies. This course provides an overview on available processes and technologies for creating digital workflows combining research, strategy, design, and product development methodologies.
2011 (S) (Two Sections)	Graphic Illustration. A study of illustration software with emphasis upon operational skills and techniques used in creating two-dimensional and three-dimensional illustrations. 2hrs.lect.; 2hrs.lab. All labs are structured and instructor supervised.
2011 (G)	Developed Graduate Course for Manufacturing Engineering Systems (MES 515 Engineering Technology: Research Design, Visualization, and Dissemination, 3 credit hours) The development of a foundation and strategy for using digital and conventional applications for implementing research

	documentation and scholarly dissemination in engineering technology. WIU
2011 (F)	Teambuilding and Facilitation - This course will expose students to a variety of topics related to teambuilding, conflict resolution, and the facilitation of meetings. Teambuilding topics include team types and functions, roles, and responsibilities of team members, stages of team development, and common team dynamics. Conflict resolution topics include acknowledging that conflicts will arise in personal and professional settings, understanding the positive and negative roles and manifestations of conflict, techniques for embracing conflict, establishing boundaries for conflict in professional settings and meetings, and setting standards for professional and ethical responsibility when conflicts arise. Meeting facilitation topics include understanding the role of a meeting facilitator, identifying and understanding behavior and participation during meetings, meeting preparation, and meeting documentation. USM
2011 (F)	Graphic Communications - This course is a comprehensive survey of common reproduction systems having significance in graphic communications industries. It emphasizes overall workflow and the use of contemporary processes, equipment, and materials as they apply to graphic reproduction planning and design; preparation assembly; conversion; reproduction; distribution, transmission, and transfer; and storage and retrieval, including computer-based tools. Lecture and lab. USM
2011 (F)	Introduction to Computers - An introduction to current and emerging computer applications. The course includes an overview of basic computer hardware and operating system, file management, and general application software. Emphasis is on computer terms, concepts, and the integration of activities, including operating system functions, word processing, spreadsheets, databases, graphics, and communication. USM
2012 (S)	SENSE Learning Community Seminar Course. The study and practicum of math, science, technology, and engineering coursework is the foundation of a better understanding and appreciation of our physical and social environments. Students Entering Nursing, Science, and Engineering (SENSE) participating in this course will have an opportunity to discover and experience a diverse offering of lectures, labs, assignments, and presentations designed to enhance their overall college experience. (1hr credit) USM
2012 (S)	Teambuilding and Facilitation - This course will expose students to a variety of topics related to teambuilding, conflict resolution, and the facilitation of meetings. Teambuilding



	topics include team types and functions, roles, and responsibilities of team members, stages of team development, and common team dynamics. Conflict resolution topics include acknowledging that conflicts will arise in personal and professional settings, understanding the positive and negative roles and manifestations of conflict, techniques for embracing conflict, establishing boundaries for conflict in professional settings and meetings, and setting standards for professional and ethical responsibility when conflicts arise. Meeting facilitation topics include understanding the role of a meeting facilitator, identifying and understanding behavior and participation during meetings, meeting preparation, and meeting documentation. USM
2012 (S)	Technical Graphics - A basic course in technical graphics focusing on technical sketching and mechanical drawing. Content includes basic skill development using contemporary industrial standards, technical sketching, orthographic projection, detail and assembly working drawings, and pictorial projections. In addition this course will look at storyboarding and visualization as problem solving. USM
2012 (S)	Desktop Publishing and Design - An introduction to the principles of copy preparation and development for image display and reproduction using multiple media. Emphasis is on computer-based desktop publishing hardware and software. Activities include scanning, digital photography, illustration, and preparation of production specifications. USM
2012 (F) (Online)	Teambuilding and Facilitation - An exploration to the diversity of topics related to team building, group dynamics, and an introduction to the practices and goals of successful facilitation of face-to-face groups and virtual meetings. Teambuilding topics include member and group participant types and functions; stages to teambuilding; creating and building teams; dysfunctions and conflicts within teams and groups, and teams in the roles of content controllers. Facilitation topics include developing techniques and skills in the role of as a meeting facilitator as a process leader; identifying and defining individual participant behaviors and how those interrelationships affect team dynamics; developing and designing facilitation agendas, preparing and performing facilitations, and ending and follow- up; facilitating conflict, creating participation, and meeting management. USM
2012 (F)	Teambuilding and Facilitation - An exploration to the diversity of topics related to team building, group dynamics, and an introduction to the practices and goals of successful facilitation of face-to-face groups and virtual meetings. Teambuilding topics include member and group participant types and functions; stages to teambuilding; creating and

- building teams; dysfunctions and conflicts within teams and groups, and teams in the roles of content controllers. Facilitation topics include developing techniques and skills in the role of as a meeting facilitator as a process leader; identifying and defining individual participant behaviors and how those interrelationships affect team dynamics; developing and designing facilitation agendas, preparing and performing facilitations, and ending and follow- up; facilitating conflict, creating participation, and meeting management.
- 2012 (F) Information and Communication Technologies - This course is an assessment of historical and state-of-the-art communication technologies utilized as tools for the exchange of ideas and information. This course will focus the diversity of information and communication systems with a commitment to developing an understanding of the international, social, political, economic, environmental and cultural issues in context of their interrelationships, responsibilities, and demands on technology related professionals. This course is designed to engage and raise awareness related to socio-economic, legal and ethical impacts of information technology and technological advances in communications. Students will participate in a variety of hands-on projects related to lecture topics on established and emerging information and communication technologies, develop strategies and formulate a proposals for addressing appropriate communication strategies, review literature, develop a report, and oral presentation in class. Work individually and small groups. Offered Fall semester only. Lecture and lab. Cr 3.
- 2012 (F) Web Art: Concepts and Construction - Students will study the conceptual and structural framework for Web site development and Internet art. Alternatives to the conventional Web page and unique approaches to Web dynamics will be explored. The course will provide a working knowledge of hypertext markup language (HTML) and will address new developments in Web authoring. Interface design and the social implications of Internet art will be considered. Prerequisite: ART 221. Cr 3.

Scholarly Activities

Research (R), Publications (Pu), Presentations (Pr),  
Professional Development (PD), and Service (S)

- 2001 (R) Masters Research: Appalachian State University, Boone, NC  
Human perceptions of “color preferences in web design”  
IRB approved research.
- 2003 – 2006 (R) Research Assistant: NSF Grant # 0095726-2010  
TECH-know Project <http://www.ncsu.edu/techknow>
- 2004 – 2006 (R) NSF Grant # ESI-0137811 VisTE Project  
<http://www.ncsu.edu/viste>
- 2003 (Pr) VTEA: Virginia Technology Education Association: Presented  
Information about TECHKNOW Project: Instructional Material  
for Technological Literacy.
- 2003 (Pr) STEC: Southeaster Technology Education Conference,  
Atlanta, GA. Presented Information about TECHKNOW  
Project: Instructional Material for Technological Literacy.
- 2004 (Pr) CRC: Competitive Regulations Committee. Nashville, TN  
Presented Information about TECHKNOW: Instructional  
Material for Technological Literacy.
- 2004 (Pr) International Technology Education Conference,  
Albuquerque, NM. Presented Information about TECHKNOW  
Project: Instructional Material for Technological Literacy.
- 2004 (S) ABS - Alternative Spring Break, traveled with group of  
undergrads through NCSU to do service work in the city of  
San Francisco as an alternative Spring Break experience,  
Worked mainly with homeless programs. Graduate chaperon
- 2004 (Pr) STEC: Southeastern Technology Education Conference,  
Chattanooga, TN. Presented Information about TECHKNOW  
Project: Instructional Material for Technological Literacy.
- 2005 (R) (Pu)  
(Pr) ITEA: International Technology Education Association,  
Kansas City, Missouri. Published and presented paper on  
Interface Design Concepts for Updating the Universal  
Systems Model – Meta Analysis.
- 2005 (R) (Pu)  
(Pr) NCTTE: North Carolina Technology Teacher Educators.  
Published and presented peer reviewed paper on Masters  
Research on Color Preferences In Web Design (Shortened  
version.) IRB approved research
- 2005 (Pr) TSA, Technology Student Association, Chicago, IL.  
Presented Information about TECHKNOW Project:  
Instructional Material for Technological Literacy.
- 2005 (Pu) (Pr) World Wide Web Applications Conference. South Africa,  
Cape Town, Published and presented peer reviewed paper  
on Masters Research, updated “Color Preferences In Web  
Design” IRB approved Research
- 2005 (R) (Pu) STEC South Eastern Technology Education Conference,

- (Pr) Clemson, SC.  
 - Presented Information on status of the TECHKNOW Project: Instructional Material for Technological Literacy.  
 - Presented Information on status of the ViSTE Project Technological Literacy through Visualization.  
 - Presented research on Tec-mix 123 Concept: A process of teaching a Technological Method approach to the Systems.
- 2005 (PD) ACTE Association of Career and Technical Education Conference - Kansas City, MO
- 2005 (PD) Mississippi Valley Conference of Technology Education, St. Louis, MO
- 2006 (PD) NSF - National Science Foundation Fellowship IMD PI Conference, Washington DC
- 2006 (S) ABS - Alternative Spring Break, traveled to Tuba City, AZ to do service work with the Navajo and Hopi people and the Eagles Nest Elementary School. Graduate chaperon
- 2006 (R) (Pu) Dissertation: "The Affects of Standards-based  
 (Pr) Communication Technology Units on the Achievement of Selected Standards for Technological Literacy by Middle and High School Students in Technology Education."  
 Based on results from the NSF Grant # 0095726-2010  
 TECH-know Project  
 IRB approved research
- 2006 (Pr) ITEA - International Technology Education Association Conference, Baltimore, MD  
 - Presented TECH-know.  
 - Provided a Workshop Scientific Visualization - VisTE Project
- 2006 (Pr) ASEE – American Society for Engineering Education, Chicago, IL Presented the results from the VisTE Project
- 2006 (PD) Digital Game Expo, Raleigh, NC Attended the conference on Gaming Technologies.
- 2006 (PD) IGAEA Conference - San Luis Obispo - Cal Poly - Attended as a member of the Digital Wave Conference on Printing and Graphic Communication Technology.
- 2006 (PD) PIA/GRAF – Printers of America, Teacher's Conference at the GRAPH EXPO, Chicago, IL
- 2006 (S) Advisor of Graphic Communications Club – GRAfx Club
- 2006 (PD) NAIT – National Association of Industrial Technologists Conference, Cleveland, OH
- 2006 (S) MAC Iowa - Marketing, Advertising & Communication Professionals of Northeast Iowa
- 2006 (R) (Pu) IGAEA – International Graphic Arts Education Association - Visual Communications Journal (2006) – "Middle and High School Communication Technology Curriculum that Addresses Mathematics, Science and Technology Education Standards." Peer reviewed article.
- 2007 (S) Member of PIM - Printing Industries in the Midlands

- 2007 (R) (Pu) IGAEA – International Graphic Arts Education Association – Visual Communications Journal 2007 – “Does Access to Communication Technologies Outside the Classroom Have Significance in Student Learning?” Peer reviewed article.
- 2007 (S) MAC Iowa - Marketing, Advertising & Communication Professionals of Iowa: Student Outreach Coordinator
- 2007 (S) Member on University Of Northern Iowa Committee on Committees. An oversight committee on university wide committee election reviews.
- 2007 (S) Special Committee for the Office of Graduate Studies to survey and review University of Northern Iowa's Departments and Programs policies and procedures
- 2007 (PD) IGAEA – International Graphic Arts Education Association – Conference - Rochester Institute of Technology Summer Workshops on Digital Printing. Rochester, NY July 2007.
- 2007 (R) (Pr) NAIT - National Association of Industrial Technologists Conference - Panama City, FL. Two presentations:  
1. "Student Perceptions of Online Teaching and Learning Best Practices in Graphic Communications" co-presented with La Verne Abe Harris, Purdue University.  
2. "Color Preferences in Web Design 2.0" Logivity research into gender and color preferences in web color space.
- 2007 (S) Faculty co-advisor for NAIT's National Association of Industrial Technologists Student Organization
- 2008 (PD) NAIT - National Association of Industrial Technologists Graphic Communications Program accreditation review; department and program accreditation passed.
- 2008 (S) UNI Special Committee for the Office of Graduate Studies to develop survey and review University of Northern Iowa's Departments and Programs policies and procedures.
- 2008 (R) (Pu) New GC curriculum developed for Fall '08 Semester (created 2007). Migration from analog to digital technologies curriculum emphasis passes Faculty senate.
- 2008 (S) Selected as member of the University's First Year College Committee on Faculty Diversity.
- 2008 (PD) 22nd Automatic Identification & Data Capture Technical Institute, July 20 – 25th, Athens, Ohio.
- 2008 (S) Selected as member of the University's Professional Development Assessment committee for awarding release time for research or artistic endeavors.
- 2008 (R) (Pr) NAIT - National Association of Industrial Technologists Conference in Nashville, TN – Presentation: Snapshot of the modern technology education student: Students access to communication technologies outside the classroom.
- 2008 (PD) Mississippi Valley Conference in St. Louis, Missouri.
- 2008 (PD) National Science Foundation Regional Grants Conference in Omaha, Nebraska.

- 2008 (PD) PIA/GATF Training– SHOTS (Sheet-fed Offset Training Simulator) in Pittsburgh, PA.
- 2008 (R) (Pu) Electronic Document Systems Foundation (EDSF) – White paper based on the results of an EDSF funded research on “Color Preferences in Web Design”.
- 2008 (R) (Pu) IGAEA – International Graphic Arts Education Association – Visual Communications Journal – “Student Perceptions of Technologies Used to Teach a Graphics Course Online.” Co-authored with Dr. La Verne Harris, Purdue University.
- 2008 - Present (S) American Institute of Higher Education – American Journal of Educational Studies – Editorial Board.
- 2008 – Present (S) Journal of STEM Education – Article reviewer on gaming and STEM education – Gaming in STEM
- 2008 (S) Collaborated on Inclusion of new courses in Electronics program and Department of Computer Science into GC Major’s requirements through interdepartmental project.
- 2009 (PD) University of Northern Iowa 2009 Interdisciplinary Research Symposium
- 2009 (R) (Pu) (Pr) IADIS Multi Conference on Computer Science and Information Systems 2009. Attended conference, submitted peer-reviewed paper, and presented research. “Interface Color Preferences and Human User”, Algarve, Portugal.
- 2009 – 2010 (S) WIU – Western Illinois University, Web Accessibility Committee
- 2010 (S) (PD) NSF – National Science Foundation Panelist, Washington, DC for Innovative Technology Experiences for Students and Teachers (ITEST) Program grant reviews. April 7-9, 2010
- 2010 (R) (Pu) (Pr) International Technology, Education and Development Conference. March 8th-10th, 2010 - Valencia, SPAIN (2 peer reviewed papers and presentations)
1. Tec-Mix123: Curriculum Developed Using A Multiple-integration Of Cross-Studies Approach For Technological Literacy Through Student-Centered Analysis Of An Artifact's Human Interface And Social Impact
  2. The 21st Century Student: Evaluating New Technology Education Curriculum And Students’ Access To Communication Technologies Outside Classroom; Analysis On Student Content Knowledge At Pretest Level
- 2010 (PD) Faculty Summer Technology Conference, May 2010, University of Illinois.
- 2010 (R) (Pr) IGAEA Conference in Illinois. Attended and presented. “Green Media and Sustainability”
- 2010 (PD) GRAPH EXPO – GATF/PIM Teacher’s Conference, Chicago
- 2010 (PD) ATMAE – Association of Technology, Management, and Applied Engineering Conference in Panama City, Florida
- 2010 (PD) Mississippi Valley Technology Teacher Conference, Chi., IL

- 2011 (PD) June 10th, AIGA-ABSTRACT: The Future of Design in Media Conference, Portland, ME for USM
- 2011 (Pr) (Pu) June, Americas Conference on Information Systems (AMCIS) – Detroit - Presented co-authored paper, Dr. Glenn Wilson – USM. “Building Student-Centered Relationships Between The University Of Southern Maine’s Information And Innovation And Business And Industry Information Technologies Sectors.” USM
- 2011 (R) (Pr) IGAEA, Reno, NV – Participated, Presented meta analysis research: “Developing Entrepreneurship Emphasis In Graphic Communications Programs.” Meta Analysis
- 2011 (PD) PIA/GATF Teacher’s Conference – Graph Exp, Chi, IL
- 2011 (R) (Pu) International Conference on Education, Research and (Pr) Innovation - ICERI 2011, Madrid, Spain – Submitted paper on research, “Do Students With Discernible Visualization Skills Achieve Higher Grades? Analysis Of Students’ Scores On The Purdue Visualization Test And Their Final Grades In An Introductory Vector Graphics Course.” Published and presented via cyber-conference.
- 2011 (PD) Innovation Engineering Leadership Institute – Freeport, Maine
- 2011 - 2013 (S) ATMAE - Association of Technology, Management, and Applied Engineering. (ATMAE), Cleveland, OH. Attending conference, in leadership role as Graphic Division President 2011-2013.
- 2011 (S) UM Technology Focus Group, Technology in the Classroom, December, USM, Portland
- 2011 (S) President’s Committee - University of Southern Maine Gorham Task Force Committee
- 2011 – 2012 (S) College of Science Technology and Health Governance Committee
- 2012 (S) Advising and Web Development for the University of Southern Maine Strategic Planning Process
- 2012 (S) (PD) Design website for t2i2 - Transforming Teaching through Implementing Inquiry - an NSF funded (Award #1118942) four-year full research and development project that explores the use of cyber-infrastructure to significantly enhance the delivery and quality of professional development (PD) for grades 8-12 engineering, technology, and design educators.
- 2012 (S) Service Learning Symposium, Office of Community Service Learning, January, USM, Portland
- 2012 (S) SENSE Seminar Courses – Students Entering Nursing, Sciences, and Engineering  
-Career Explorations  
-Mini Lecture Series with Maine Professionals  
-Service Learning Project with Preble Street Soup Kitchen  
-Video Project “Learning and Learning Community”

- 2012 (R) Submitted proposal for USM Faculty Senate Research Grant \$3000.00, "Developing an Interactive Spatial Visualization Gaming Instrument (SVGI) for Exploring Assessment Retention and Scoring Improvements".
- 2012 (S) Submitted Proposal for Curriculum Conversations Grant \$3000.00, Developing interdisciplinary course clusters with Technology, Art, Media Studies, and Design Science.
- 2012 (R) (Pu) Invited to be a Summer Writer for the t2i2 - Transforming  
(PD) Teaching through Implementing Inquiry - an NSF funded (Award #1118942) four-year full research and development project that explores the use of cyber-infrastructure to significantly enhance the delivery and quality of professional development (PD) for grades 8-12 engineering, technology, and design educators.
- 2012 (S) (Pu) Invited to provide stakeholder comments for feedback on the first draft of the Standard for Digital and Lithographic Printing Services, CCD-174

#### Grants and Donations

- 2007 Awarded by Meta Communications a donation of \$20,000 value in software for digital workflow to University of Northern Iowa's Graphic Communications Program
- 2007 Awarded two-year \$30,000 grant from University of Northern Iowa's (UNI's) Recycle and Reuse Technology Transfer Center (RRTTC) for co-authored proposal to study, "A Ultra-violet Curable, Soy-based, Organic Screen Printing Ink project" in collaboration with (UNI's) Department of Chemistry.
- 2007 Secured a College of Natural Science purchase of 15 new iMACS from the Computer Committee for the Graphic Communications Program's new curriculum and Lab/ software update 2008.
- 2008 Award research grant from: The Electronic Document Systems Foundation (EDSF) Research grant to develop white paper on the studies of "Color Preferences in Cyberspace", along with undergraduate team. FY 2008 (\$3000)
- 2008 Submitted – Not awarded. Three-year, \$282,751.00, co-authored grant to the Iowa Energy Fund for the product development project for co-authored proposal to study, "A Ultra-violet Curable, Soy-based, Organic Screen Printing Ink project" in collaboration with (UNI's) Department of Chemistry.
- 2008 Submitted – Not awarded. Three-year, \$398,576.00, as PI and co-authored with UNI's Educational Technology, and Curriculum and Instruction. The Iowa Teacher Quality State



- Grant Program and Mathematics and Science Partnership Grant Program (Titles IIA and IIB of the No Child Left Behind Act). In collaboration with UNI and Waterloo's Community Schools. Entitled: "Waterloo Communications Technology Project: Expanding Learning Through Communications Technology"
- 2012 (R) Submitted proposal for USM Faculty Senate Research Grant \$3000.00, "Developing an Interactive Spatial Visualization Gaming Instrument (SVGI) for Exploring Assessment Retention and Scoring Improvements".
- 2012 (S) Submitted Proposal for Curriculum Conversations Grant \$3000.00, Developing interdisciplinary course clusters with Technology, Art, Media Studies, and Design Science.
- 2012 – 2017 (R) Co-PI – NSF S-STEM Bridge Grant. This project, entitled (S) "STEM Opportunities for Academically Capable and Financially Needy Students: University of Southern Maine STEM Scholars Program," is under the direction of Samantha J. Langley-Turnbaugh, Carl N. Blue, Mehrdad Ghorashi, Robert F. Boothe. This award of \$592,252 is effective June 1, 2012 and expires May 31, 2017.

#### Patent Pending – Product Development

- 2009 The Ultra-Violet Curable, Soy-based, Organic Pigment Screen Printing Ink Project – patent pending. Non-disclosure Agreement with International Company.

#### Awards and Fellowships

- 2006 Awarded National Science Foundation Fellowship IMD PI Conference, Feb. 26 - 28, 2006, Washington, D.C.
- 2007 Graphic Communication Students (group project) win Gold Award for their submission of a department newsletter, four-color digital print process from the Printers in the Midlands / Graphic Arts Technical Foundation.
- 2007 Awarded Center for Energy and Environmental Education (CEEE) Fellowship for Spring Semester 2007, UNI.
- 2008 NAIT Graphic Communications Program accreditation review; department and program accreditation passed.
- 2008 Graphic Communications Students (group project) win Silver Award for their submission of a department newsletter, four-color digital print process from the Printers in the Midlands / Graphic Arts Technical Foundation.
- 2008 Wesley Foundation Fellowship – Website redesign and content management training. Summer project.

#### Community Service

- 2004 ABS - Alternative Spring Break, traveled with group of undergrads through NCSU to do service work in the city of San Francisco as an alternative Spring Break experience, Worked mainly with homeless programs.
- 2006 ABS - Alternative Spring Break, traveled to Tuba City, AZ to do service work with the Navajo and Hopi people and the Eagles Nest Elementary School.
- 2007 – 2009 HigherEd.org, website design, and journal review
- 2008 Wesley Foundation – Website redesign and content management training. Summer project.
- 2009 - 2010 Tri-states Radio, Reading for the visually impaired
- 2010 GreatLeather.com, Dena Hamilton owner, Packaging and Import/Export
- 2011 – 2012 Preble Street Soup Kitchen assistant – Monthly 3<sup>rd</sup> Saturdays

#### International Volunteer Work

- 1989 – 1992 US Peace Corps Volunteer, Honduras and Uruguay, Provided practical assistance to individuals, local government agencies, and Peace Corps in areas of vocational education, small business and product development, marketing and tourism. Promoted to Volunteer Coordinator for the Director of the Small Business Development Sector. Assisted in development of workshops that included logistics and designing promotional and training materials.
- Reassigned to South America as one of a five-volunteer team to re-open Uruguay USPC Program. Assisted in setting up the office, volunteer programs, site visits, and meeting with in-country organizations and leaders for the new incoming volunteers. Coordinated and produced several projects that included event logistics and travel. Designed, produced printed of in-house and outsourced training materials for both PC office and host-country organizations.