

Colleen M. Carmean, PhD

Curriculum Vitae

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EDUCATION

Capella University

Ph.D. - Design for Online Learning 2008

Dissertation: *e-Learning 2.0: Emergence, connected networks and the creation of shared knowledge*
(see <https://sites.google.com/site/cmcarmean/>)

University of Arizona

M.A., Cognitive Science. Discipline: Linguistics of Artificial Intelligence Systems 1990

Thesis: *Computational Models for Natural Language Parsing*

University of Illinois

Bachelor's in Arts, Liberal Arts & Sciences 1977

Major: Communications & Media; Minor: Computer Science

University of Paris, Sorbonne

1975-1976

Certificate in Civilization (Politics and Sociology of Modern France)

AWARDS & RECOGNITION

Panel Reviewer: National Science Foundation (SBIR/STTR) 2007-present

Wakonse Teaching Fellow: State of Arizona & Arizona State University 2006-2008

International Leadership Fellow in Technology: Frye Institute 2004-2005

Research Fellow: EDUCAUSE National Learning Infrastructure Initiative (ELI) 2002-2004

PROFESSIONAL EXPERIENCE

Sage Road Solutions

2009-present

Consultant and Researcher for firm specializing in business strategy and transformation of higher education via technolog (sageroadsolutions.com).

Arizona State University

Digital Knowledge Architect, College of Public Programs

2008-present

Design knowledge environments for e-learning, enterprise and research collaboration within the college and campus. Develop resources for just-in-time organizational knowledge management.

Director of e-Learning and Innovation Technologies,

2007-2008

School of Global Management & Leadership

Create online degree programs, including technical design, platform selection and support services. Responsible for School's Web site, academic technology and instructional services groups. New media areas of focus include research, publication, implementation and promotion of strategic technologies.

Director of Research, University Technology Office

2005-2007

Leadership participant in founding Applied Learning Technologies Institute (alt^I) at ASU, bringing strategic implementation of technology into the teaching and learning environment. Areas of focus include research on

Director of Research, University Technology Office (cont)

emerging technologies; support for e-learning initiatives; faculty development in technology adoption; thoughtful implementation of new learning technologies.

Director, Information Technology, ASU West campus

1996-2005

Responsible for diverse IT duties in creation of young campus at ASU. These included hardware and software support services; technology training programs for faculty, staff and students; instructional support in innovative use of technology in teaching and learning; management and development of diverse technical professionals in hardware, software, Web, training and technology services.

Supervisor, Systems and Network Support Services

1990-1996

Management of 10BaseT Ethernet LAN, VAX servers, devices and gateways at ASU West. Leadership of group that provided file services, remote software deployment to classrooms and public sites, in-office images and backups. Work with IT on Tempe campus to provide infrastructure voice and data network service support to campus.

University of Arizona**Software Development Manager, Arizona Cancer Center.**

1987-1990

Design and develop new research systems in diverse biomedical environment. Supervise 20+ staff in various projects, systems administration, programming, reporting and analysis of data involving grant-driven research studies.

TEACHING AND COURSE DESIGN EXPERIENCE**Arizona State University**

2010-present

Criminal Justice – Online Masters and Bachelors Programs

Designed and implemented courses, processes, and Web presence for two fully online degree programs for the School of Criminal Justice and Criminology.

CoPP 101: Philosophy of Social Good

2009

Working with faculty experts, developed college-wide required online introduction to the discipline of public service professions.

SGML 101: Introduction to Global Management & Leadership

2007-2008

Developed and taught School's first year experience course - *hybrid and online*.

EDT 598: Impact of Emerging Technologies on Society

2007

Developed and taught *doctoral hybrid* course in class and Second Life.

IAS 594: HTML, XML and Web Design

2004-2006

Developed syllabus and overall course structure for *hybrid course*.

IAS 494: Mastering Cyberspace, Understanding Cyberculture

2003-2008

Developed syllabus, content, course materials for *online, digital literacy* course.

CIS 180: Introduction to Computation

2002-2004

Learning community cohort with SOC 100: Developed collaborative syllabus, created original course structure, content and online resources.

IAS 394: Critical Thinking and Philosophical Reasoning

2000-2004

Developed syllabus and overall structure for program's *first hybrid course*.

PUBLICATIONS AND PAPERS

- The Case for Nudge Analytics. With Mizzi, P. *EDUCAUSE Quarterly*, V33, #4, 2010.
- *Learning 2.0: The Role of social media, smart machines and distributed knowledge in research-based learning environments*. Keynote Paper. First International Symposium on Applications of Information and Communications Technology in Education and Training (2010). Riyadh, Saudi Arabia.
- *The Evolution of the LMS: From Management to Learning – Deep Analysis of Trends Shaping the*

- Future of e-Learning* (2009). With Davis, B. & Wagner, E. eLearning Guild White Paper.
- Learning Design for the Information Workplace (2009). In *Practices and Outcomes in E-Learning: Issues and Trends*. Yang, H. and Yuen, S. (Eds). IGI Global, Hershey, PA.
 - *e-Learning 2.0: Emergence, connected networks, and the creation of shared knowledge* (2008). Doctoral dissertation, Capella University, Minneapolis.
 - Next Generation Learning/Course Management Systems. Special issue of *Journal of Online Learning and Teaching* (jolt.merlot.org) V. 4, #2, June 2008. Carmean, C. (Guest Editor)
 - Managing Courses, Defining Learning: What Faculty, Students, and Administrators Want from Technology. *EDUCAUSE Review*, Jul/Aug 2006, Pgs. 50-70.
 - ePortfolios: Constructing Meaning Across Time, Space and Curriculum (2006). With Christie, A. In *Handbook on Research for ePortfolios*, Jafari, A. Kaufman, C. (Eds). Idea Group, Hershey, PA.
 - *Course Management Systems for Learning: Beyond Accidental Pedagogy* (2005). With McGee, P., Carmean, C., Jafari, A. (Eds). Idea Group, Hershey, PA.
 - Measure for Measure: Assessing Course Management Systems (2005). With Brown, G. In P. McGee, A., C. Carmean, A. Jafari (Eds.), *Course Management Systems for Learning: Beyond Accidental Pedagogy*. IDEA Group, Hershey, PA.
 - Assessment Boot Camp, November/December 2003, *Technology Source*.
 - Next Generation Course Management Systems. With Haefner, J. *EDUCAUSE Quarterly*, V26, #1, 2003. Pgs 10-13.
 - Mind Over Matter: Transforming Course Management Systems in Effective Learning Environments. With Haefner, J. *EDUCAUSE Review*, Nov/Dec 2002, Pgs. 26-34.

PRESENTATIONS & WORKSHOPS

- *Collaboration 2.0: Social Media and the Shared Learning Experience*. Tech Knowledge Symposium - Invited Workshop. American Society for Training and Development (2011). San Jose, CA.
- *Using Emerging Tools to Maximize Learning Experiences*. Hands-on, half-day workshop. WCET Annual Conference. (2010). La Jolla, CA.
- *Building Digital: Toward Social Media in the Workplace*. Keynote Address. 12th Annual Computer Services Conference. Laborers-Employers Cooperation and Education Trust (2010). Phoenix, AZ.
- *Future of the LMS: A Software Lifecycle Perspective*. DevLearn Annual Meeting of the eLearning Guild (November, 2009). San Jose, CA.
- *Managing the User-Generated Content Revolution*. DevLearn Annual Meeting of the eLearning Guild (November, 2009). San Jose, CA.
- *Learner-Centered Teaching Practices in a Digital Age*. Workshop Facilitator. Faculty Development Workshop Series. East Central University (2009). Ada, OK.
- *E-Teaching: If it's more work, you're doing it wrong*. Teaching and Learning with Technology Conference 09. Maricopa Community Colleges (2009). Glendale, AZ.
- *Workplace Learning and Social Media: New Practices for Enterprise T&D*. American Society of Training & Development – Valley of the Sun (2009). Phoenix, AZ.
- *Web 2.0: What is it and why should we care?* Arizona Institute of Management Consultants (2009). Phoenix, AZ.
- *When Recession Meets the Cloud: Economics and the Future of Social Media*. Phoenix Think Tank Emerging Trends Conference (March 2009). Phoenix, AZ.
- *Web 2: Beyond the Hype, Into the Promise*. Invited Facilitator. AZ Knowledge Management Forum (March, 2009). Phoenix, AZ.
- *Searching for the Next Generation Course Management System*. Keynote. Technology in Business Roundtable Annual Meeting (2008). Tucson, AZ.
- *Participation, Distribution, Creation, and Modification: The Role of Web 2.0 in Teaching and Learning in the Arts*. Visiting Scholar presentation for the Teacher Institute in Contemporary Art (TICA), at the School of the Art Institute of Chicago (2008). Chicago, IL.

- *Creating Digital Scholars: Tips, Tools, and New Technology*. Prescott College Master's Colloquium, Fall 2008. Invited Speaker. Prescott, AZ.
- *Evaluating Affordances: A Collective Examination of Emerging Technologies*. Carmean, C., Ley, S. Featured presentation – Sloan-C International Conference on Emerging Technology Applications for Online Learning (2008). Carefree, AZ.
- *Locating the Next Generation Learning Environment*. Carmean, C., McGee, P. Sloan-C International Conference on Emerging Technology Applications for Online Learning (2008). Carefree, AZ.
- *Free Range Learning: Getting off the Grid*. Carmean, C., Christie, A. Southwest Institute for Learning with Technology (2008). Flagstaff, AZ.
- *Evaluating Affordances in Emerging Technologies: Conceptualizing a New Assessment Framework*. Southwest Institute for Learning with Technology (2008). Flagstaff, AZ.
- *Small Pieces Loosely Joined: Next Generation Learning Management Systems*. Presentation to the Microsoft Higher Education Consortium (2008). Seattle, WA.
- *Digital Scholarship: Tools, Rules and Process*. Carmean, C., Spring, C. Prescott College Master of Arts Program Colloquium (2008). Prescott, AZ.
- *Emergent Learning Design for the Workplace*. ED-Media International Conference (2007). Vancouver, British Columbia.
- *Learning in a Virtual World*. McGee, P., Carmean, C., Rauch, U., Noakes, N., Lomas, C. ED-Media International Conference (2007). Vancouver, British Columbia.
- *Distributed Learning: Making Systems that Work*. Carmean, C., McGee, P., Jafari, A. ED-Media International Conference (2007). Vancouver, British Columbia.
- *Social Technologies as Opportunity for New Teaching, Deep Learning (2007)*. Workshop for the College of Public Programs Faculty. Arizona State University.
- *Supporting Scholarship: A Library/IT Partnership for Digital Citation Management*. Electronic Resources & Libraries Annual Conference. Carmean, C., Farrelly, D. (2006). Atlanta, GA.
- *Radical Trust: Creating Social Knowledge in Learning Environments (2006)*. Keynote and Facilitator for University of Wisconsin, Madison retreat on teaching and learning.
- *E-Systems: Designing for Difference*. University of British Columbia, Vancouver Teaching & Learning with Technology Invited Speaker Series (2005).
- *Learner-Centered Principles: Mapping a New Learning Space (2005)*. EDUCAUSE Learning Initiative invited address to focus session on "Emerging Practices and Learning Technologies". Houston, TX.
- *That was then, this is now: Designing new learning environments*. National Learning Infrastructure Annual Meeting (NLII). Carmean, C., Jafari, A., & McGee, P. (2005). New Orleans, Louisiana.
- *The Match Game: Instructional Design for Every Learner*. Carmean, C., Lomas, C., McGee, P. & Rauch, U. (2005) E-Learn Annual Meeting. Vancouver, British Columbia, CA.
- *Mapping the Learning Space*. Carmean, C., Purdham, R. and McMartin, F. Featured presentation for National Learning Infrastructure Initiatives (NLII) Annual Conference (2004).
- *Partnering to transform teaching and learning: MERLOT and the NLII*. Carmean, C., & McGee, P. (2003). MERLOT International Conference. Vancouver, British Columbia.
- *Authority of consensus: Next-generation course management system features*. McGee, P. & Carmean, C. (2003). EDUCAUSE 2003, Anaheim, CA.
- *Development and Assessment of Learning Communities: Data Results and Implications for Improvement of Student Learning*, Carmean, Armstrong and Nanez. A presentation for the Association of American Colleges and Universities (AAC&U). Phoenix, AZ. April 2003.
- *Academic Freedom Under Fire(Walls)*, 22nd IEEE International Performance, Computing, and Communications Conference. Presentation and Proceedings. IPCCC 2003. Phoenix, AZ. Carmean, C. & Carey, J.(2003)
- *Course Management Systems: a New Role in Learning*, Keynote address for EDUCAUSE NLII Fall Meeting (2003). Tucson, AZ.
- *Partnering to transform teaching and learning: MERLOT and the NLII*. Carmean, C., & McGee, P. (2003). MERLOT International Conference. Vancouver, British Columbia.

- *Transformative Assessment & Campus Strategies (2002)*. American Association for Higher Education (AAHE) Annual Meeting. Boston.

RESEARCH

- Investigator: National Counselors Web and CoP Site (2010-2011) – ChildHelp
- Investigator: Pathways to Entrepreneurship (2008) – Arizona State University.
- Investigator: Bridges to Biomedical Careers (2000-2006) – National Institute of Health.
- Investigator: Next Generation Learning Environments (2005-2006) – NGLMS Consortium.
- Editor, JOLT special issue on next generation learning management systems (2008).

LANGUAGES

- FORTRAN, PASCAL, SQL, PLNLP, LISP, HTML, XML, JAVA, relational database design, & *French*.

SERVICE

- Governing Body: AZ Technology Summit (2008- present).
- Advisory Council: Interface IT Arizona (2007-present).
- MicroSoft National Teaching and Learning Council (2007-present). Council member.
- MicroSoft Higher Education Consortium Research Board (2007-present).
- Board Member and Online Learning Advisory Council: Le Cordon Bleu (2010-present)
- National Science Foundation (2007-present). Panel reviewer, Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR).
- MERLOT: Multimedia Educational Resources for Learning & Online Teaching:
Board Member & Co-Editor, Teaching and Technology Board (2003-2005)
- Arizona State Credit Union (2007-present). Supervisory Committee member.
- American Educational Research Association (2007-2008). Proposal Reviewer.

Memberships

- American Educational Research Association (AERA)
- Institute of Electrical and Electronics Engineers (IEEE)
- Association for the Advancement of Computing in Education (AACE)
- Association for Computing Machinery (ACM)
- eLearning Guild