

Eric A. Bernard PLA ASLA CLARB Certified

Licensure and Certification

Kansas Landscape Architect License No. 696, May 5, 2005-Present.

CLARB Certified, March 21, 2011-Present.

Education

Bachelor of Landscape Architecture, Texas Tech University, 1996.

Capstone: All Saints Episcopal School Master Plan & Storm Water Management Plan

Master's of Landscape Architecture, Texas Tech University, 2000.

Thesis: McKenney Enterprises: A Case Study on Sustaining the Family Ranch Applying Geospatial Technologies to Landscape Resource Inventory, Analysis and Management

Professional Appointments

Department Chair, Professor, Texas Tech University, Lubbock, TX, May 2016-Present.

Lead and direct Landscape Architecture Department with LAAB Accredited Bachelor and Master's first professional, and Master's degrees. Teach courses in eco-environmental design, landscape architecture, geodesign, technology/visualization, advise undergraduate and graduate students in their studies and research.

GIS Manager and ParkServe™ Lead, The Trust for Public Land, 2015-April 15, 2016.

Lead developer and manager of the \$2.6m ParkServe™ project and staff of 14 creating the first urban parks database for the US and analyses of 10-minute walk service areas and demographics within park service areas. Responsible for hiring and evaluating project staff, daily project management and project reporting. Chief data architect and SQL Server implementer-manager for enterprise GIS databases for The Trust for Public Land including the Park Information Model (PIM).

Program Director, Associate Professor, University of New Mexico, Albuquerque, New Mexico, 2012-2015.

Direct LAAB Accredited Landscape Architecture Program in the School of Architecture and Planning, teach courses on site and environmental design, landscape architecture/geodesign technology/visualization, advise students on graduate studies and funded research projects, serve on School of Architecture and Planning Executive, Tenure and Promotion Policy, Lectures, Facilities and Information Technology Committees, designed, developed and implemented SharePoint for internal communication and digital collaboration in the LA Program and across the School of Architecture and Planning.

Associate Professor, Kansas State University, Manhattan, Kansas, 2000-Present.

Prepare and teach courses on environmental landscape planning and design, landscape architecture technology/visualization, advise students on graduate studies and funded research projects, chair department faculty affairs committee, K-State GIS Steering Committee, serve as K-State delegate to the University Consortium for Geographic Information Science. Research foci include teaching-learning, and large scale water and ecosystem dependent landscapes, co-founder of the Consortium for Global Research on Water-Based Economies-GRoWE funded by NSF, USDA and K-State Targeted Excellence.

Landscape Architect, Landworks Design, Inc., Denver, Colorado, 2003.

Landscape architect and technology consultant for firm whose market is large scale resort and mountain resort development projects.

GST Consulting, Manhattan, Kansas, 2001-Present.

Owner of geospatial technology consulting firm focused on implementation and development of geospatial resources for land planning and design.

Project Manager/Landscape Architect, Design Workshop, Inc., Aspen, Colorado, 1999-2000.

Manager and team designer of landscape architecture and planning projects ranging from large scale land planning, to brownfield remediation, to high-end residential design in the United States, Mexico and Canada.

Landscape Architect Intern, Larson Burns, Inc., Austin, TX, 1994-1995.

Professional Memberships

ASLA, CLARB, NMASLA, CELA

Achievements and Awards

Texas Tech College of Agricultural Sciences and Natural Resources Distinguished Alumni, Lubbock, TX, February 16, 2015.

Founder, LAUREL- Landscape Architecture and Urban Research and Education Lab, 2014-2015.

Closing Keynote, esri Southwest User Conference, Santa Fe, NM, December 7, 2014.

Best Lightning Talk Award, presented at 2013 Geodesign Summit, esri, Redlands, CA, 2013.

Kansas GIS Policy Board, Appointed by Governor Mark Parkinson, May 2009-2012.

K-State Special Achievement in GIS Award presented at ESRI International User Conference, 2005.

Who's Who Among America's Teachers, 2004, 2006.

Teacher of the Year in Landscape Architecture 2003-2004.

Elected Region IV Director, CELA 2001-2006 (2 Consecutive Terms).

K-State Research Focus: Water Consortium Taps A Liquid Asset, K-Statement, July 6, 2006, 29(1) and K-State Consortium Identifies, Evaluates Water Management Strategies, KSU Media Relations, June 6, 2006.

GRoWE Targeted Excellence Award, announced in Inview, 26(22), June 3, 2004.

Designed NSF EPSCoR Second Place Poster 2003 announced in Inview, 25(22), June 5, 2003 and Focus, 4(1), Spring 2003.

Design Workshop, Inc., Design Team Member on ASLA Honor Award Winning Project Titled: Canyon Forest Village, 2000.

Dallas-Fort Worth National Cemetery Veterans Memorial Design Competition Winner, Texas National Cemetery Foundation, 1998.

Synergistic Activities

ParkServe™ Project Lead and Manager, The Trust for Public Land, 2015.

Creator of the Park Information Model (PIM) to capture and store all types of park data and analyses, The Trust for Public Land, 2015.

Designer and Developer Landscape Architecture Program and School of Architecture and Planning SharePoint collaboration site, 2013-2015.

Creator LAUREL-Landscape Architecture Urban Research and Education Lab, UNM LA Program, 2014-2015.

Creator New Mexico 3D Geodatabase for studying landscapes-natural and social-cultural systems statewide, 2012-2015.
 Co-Founder in the Consortium for Research on Groundwater Based Economies (GROWE) 2001-2012.
 Kansas GIS Policy Board, Appointed by Governor Parkinson 2009-2012.
 Kansas State University Chair GIScience Commons Steering Committee 2008-2011.
 Kansas State University Delegate to University Consortium for GIScience 2004-Present.
 Kansas State University LEA/RN Program 2002-2005.
 Kansas State University Peer Assessment Program 2004-2005.
 Kansas State University Provost's Advisory Group on Engagement 2006-2007.
 Council of Educators in Landscape Architecture (CELA) Region IV Director 2001-2003, 2004-2006 and Chair IT Infrastructure Committee and Web Development Leader 2004-2005.
 Dean's Advisory Committee, College of Agricultural Sciences and Natural Resources, 1992-1996
 Coordinator of Student Programs for College of Agricultural Sciences and Natural Resources, 1996
 Agri-Techsan, Student Recruiter Texas Tech University, College of Agricultural Sciences and Natural Resources, 1993-1996, Outstanding Agri-Techsan 2006

Graduate Advisors

John C. Billing	Texas Tech University
Thomas A. Musiak	Texas Tech University
Dr. Ernest B. Fish	Texas Tech University

Research Collaborators

Joseph A. Aistrup	Auburn Political Science	Bernhard Leinauer	NMSU Extension Plant Sciences
Daniel A. Andreson	KSU Computing & Information Science	P. Allen MacFarlane	Kansas Geological Survey
Lucia Barbato	TTU Center for Geospatial Technology	Edward A. Martinko	KU/Kansas Biological Survey
Phillip A. Barnes	KSU Biological & Agricultural Engineering	Cynthia McKenney	TTU Plant and Soil Science
Sarah Battersby	UCSB	Jan Middendorf	KSU OEIE
John M. Blair	KSU Biology	Thayne Montague	TTU Plant and Soil Science
Robert W. Buddemeier	KU/Kansas Geological Survey	Jennifer Moore-Kucera	TTU Plant and Soil Science
Tom Bulatewicz	KSU Computing & Information Science	Kevin Mulligan	TTU Geography
Richard M. Chubb Jr.	USDA ARS	Charles G. Oviatt	KSU Geology
Gary A. Clark	KSU Biological & Agricultural Engineering	Gad Perry	ICASALS
Robert Cox	TTU Natural Resource Management	Jeffrey M. Peterson	KSU Agricultural Economics
Willem J. de Lange	Deltares	Steven Prager	Wyoming
Walter K. Dodds	KSU Biology	Glen Ritchie	TTU Plant and Soil Science
Cindi Dunn	KSU OEIE	Jyotsna Sharma	TTU Plant and Soil Science
Larry A. Erickson	KSU Chemical Engineering, HSRC, ITAM	Andre Skupin	UCSD
Billy B. Golden	KSU Agricultural Economics	Scott A. Staggenborg	KSU Agronomy
John A. Harrington	KSU Geography	David R. Steward	KSU Civil Engineering
William H. Hsu	KSU Computing & Information Science	Linda P. Thurston	KSU Education
J.M. Shawn Hutchinson	KSU Geography	Theo Udeigwe	TTU Plant and Soil Science
Timothy Keane	KSU Landscape Architecture	Elizabeth A. Unger	KSU Vice Provost
John W. Keller	KSU LARCP	Steve M. Welch	KSU Agronomy
Jae Hong Kim	UC Irvine Planning Policy and Design	Ryan Williams	TTU Agriculture and Applied Economics
James K. Koelicker	KSU Biological & Agricultural Engineering	Brownie Wilson	Kansas Geological Survey
Laszlo J. Kulcsar	KSU Sociology	Xiaoying Yang	KSU Civil Engineering
Simon Lauwo	KSU Civil Engineering	Joseph Young	TTU Plant and Soil Science

Teaching Honors

Teacher of the Year in Landscape Architecture 2003-2004.

Student nominated and voted on award for "Enthusiasm for Teaching and Dedication to Students".

Who's Who Among America's Teachers, 2005, 2007.

Nominated by students who are cited for academic excellence.

Nominee for Outstanding Faculty Award, Texas Tech College of Agricultural Sciences and Natural Resources, 1998.

One of three nominees submitted and voted on by students in the college for excellence in teaching and mentoring students.

Student Recognition & Awards

Cody Pilger, BLA, Co-Presenter, 2003 ASLA National Meeting and Expo.
 Nathan Dunham, Kim Olson, Jeff Stoecklein, Lisa Treese, Fourth Place National Low Impact Development Competition, 2004.
 Mark Ruzicka, BLA, Udall Scholarship Honorable Mention, 2005.
 Eric Castle, MLA, Dangermond Fellowship, 2005.
 Russell Ploutz, MLA, Co-Presenter, CELA 2012.
 Peiwen Wang, MLA, Co-Presenter, CELA 2013.
 Christie Green, MLA, Co-Presenter, CELA 2014.
 Andrew Bernard, MLA, National ASLA Student Trustee, 2013-2014.

Courses Taught

UNM	LA 511	Topics in LA: Advanced Landscape Modeling
	LA 512	Seminar: LA Course Development
	LA 521	AutoCAD for Landscape Architects (Landscape Modeling and Communication)
	LA 556	Site and Environment
	LA 559	Plant Material II
	LA 596	Project Thesis Preparation
	LA 597	Master's Project
Kansas State	LAR 438	Land Construction I
	LAR 460	Computer Applications in Landscape Architecture I
	LAR 510	Landscape Architecture Tech Module I
	LAR 520	Landscape Architecture Tech Module II
	LAR 530	Landscape Architecture Tech Module III
	LAR 540	Landscape Architecture Tech Module IV
	LAR 550	Landscape Architecture Tech Module V
	LAR 560	Landscape Architecture Tech Module VI
	LAR 646	Landscape Architecture Design Studio V
	LAR 704	Environmental Landscape Planning and Design
	LAR 709	Computer Applications in Landscape Architecture
	LAR 741	Problems in 3D/4D Visualization
	LAR 741	Problems in Advanced CADD
	LAR 741	Problems: Water in Society (<i>in process for GRAD 700</i>)
	LAR 758	Land Resource Information Systems
LAR 763	Composite Land Construction I	
CHE 650	Hazardous Waste Engineering Seminar	
TTU	LARC	AutoCAD
	LARC	Advanced AutoCAD
	LARC	Planting Design

Advising

PhD., MastersThesis, Masters Project, Capstone Project	BLA Capstone	4-6 Students Per Year**	Project Mentor	All Graduated 2000-2005
	MRCP	Jeremy Frazzell	Committee Member	May 2006
	MARCH	Subhrendu Das	Co-Major Professor	August 2006
	CIS	Charani Gayathri	Committee Member	December 2006
	MLA	Eric Castle*	Major Professor	May 2007
	BLA Capstone	Monica Miller	Project Mentor	May 2007
	MLA	Lara Barnes	Committee Member	May 2008
	BLA Capstone	Timothy Merklein	Project Mentor	May 2008
	BLA Capstone	Greg Phau	Project Mentor	May 2008
	MLA	Nathaniel Kersey	Major Professor	December 2008
	MLA	Christopher Sass	Committee Member	December 2008
	MARCH	Subhojit Sinha	Committee Member	December 2008
	MLA	Jesse Benedick	Committee Member	May 2010
	MLA	Weston Esmiller	Committee Member	May 2010
	MLA	Andrew Glenski	Committee Member	May 2010
	MLA	Kristopher Kleinschmidt	Committee Member	May 2010
	BLA Capstone	Lindsey Schueneman	Major Professor	May 2010
	MLA	Brett Tagtmeyer	Committee Member	Last Advised May 2010
	MLA	Kirby Barrett	Major Professor	May 2011
	MLA	Ben Carlson	Major Professor	May 2011
	BLA Capstone	Dereatha Cross	Committee Member	May 2011
	MLA	Scott Runde	Committee Member	May 2011
	MLA	Lee Adams	Major/Committee Member	May 2012
	MLA	Jared Buffington	Committee Member	May 2012
	MLA	Russell Ploutz	Major Professor	May 2012
	MLA	Tyler O'Donnell	Major Professor	Last Advised May 2012
	PhD	Philip Omunga	Committee Member	Last Advised December 2012
	MLA	Traci Shannon Yost	Committee Member	May 2012
	MLA	Eric Wildhaber	Committee Member	May 2012
	MLA	Mitch Workman	Advisor for Modeling	May 2012
	MLA	Jake Jenkins	Committee Member	May 2013
	MLA	Peiwen Wang	Major Professor	May 2013
	MLA	Christie Green	Major Professor	May 2013
	MLA	Lisa Hodges	Committee Member	May 2013
	MLA	Romila Jogdand	Committee Member	May 2013
	MLA	Hanna Thompson	Major Professor	May 2013
	MLA	Scott Carlson	Major Advisor-Post Defense Process	July 2013
	MLA	Andrew Bernard	Committee Member	May 2014
	MLA	Kurt Capalbo	Major Professor	May 2014
	MLA	Alaa Suliman Hamid	Major Professor	May 2014
	MLA	Wenqi Sun	Committee Member	May 2014
	MLA	Bryan Scott Culler	Major Professor	July 2014
	MLA	Hang Ding	Committee Member	July 2014
	MLA	Ze Zhang	Committee Member	December 2014
	MLA	Yujie Cao	Committee Member	May 2015
	MLA	Fang Ding	Committee Member	May 2015
	MLA	Arturo Merino	Major Professor	May 2015
MLA	Amir Moshfeghi	Major Professor	May 2015	
MLA	Jennifer Sandoval	Committee Member	May 2015	
MLA	David Milisa	Major Professor	December 2015	
PhD	Dereatha Cross	Committee Member	Expected May 2017	

Advising Continued

Research Assistants Project Assistants	GRA	Eric Castle	USDA-ARS OAP	2003-2005
	GRA	Aarthi Padmanabhan	USDA-ARS OAP	2005-2006
	RA	Tor Janson	NSF EPSCoR-Ecoforecasting	2006-2007
	GRA	Jesse Benedick	NSF EPSCoR-Ecoforecasting	2006-2008
	GRA	D. Nathaniel Kersey	NSF EPSCoR-Ecoforecasting	2006-2008
	GRA	Dereatha Cross	KState 2013, USDA-ARS OAP, NSF CNH	2008-2012
	GRA	Weston Esmiller	USDA-ARS OAP	2008-2009
	GRA	Andrew Schaap	USDA-ARS OAP	2009
	GRA	John Perry	USDA-ARS OAP	2009
	GRA	Jeremy Merrill	USDA-ARS OAP	2009
	GRA	Kevin Kroen	USDA-ARS OAP	2009
	GRA	Scott Capps	USDA-ARS OAP	2009
	GRA	Jon Champlin	USDA-ARS	2009-2010
	GRA	Peiwen Wang	NSF CNH	2010-2012
	GRA	Russell Ploutz	NSF CNH	2011-2012
	GRA	Jake Jenkins	NSF CNH	2011-2012
	GRA	Bryan Zundel	NSF CNH	2012
	PA	Alexandria Leider	LA Program Marketing	2012-2013
	PA	Claudio Golombek	LA Program	2013
	PA	Nicholas Milan	LA Program CityLab-LAUREL	2012-2014
	PA	Fang Ding	LA Program- LAUREL	2013-2015
	PA	Jaqueline Bryan	LA Program- LAUREL	2013-2015
	PA	Emily Hunt	LA Program- LAUREL	2013
	PA	Ze Zhang	LA Program- LAUREL	2012-2014
	PA	Carly Piccarello	LA Program Marketing	2014-2015
	PA	Sogol Abatah	LA Program- LAUREL	2013
	PA	Beverly Fisher	LA Program- LAUREL	2013-2015
	PA	Arturo Merino	LA Program- LAUREL	2013-2015
	PA	Paul Crespo	LA Program- LAUREL	2013-2014
	PA	Hanqing Kuang	LA Program- LAUREL	2013-2014
	PA	Maureen Convery	LA Program- LAUREL	2014-2015
	PA	Melissa Flatley	LA Program- LAUREL	2014-2015
	PA	Rakshya Ghimire	LA Program- LAUREL	2014-2015
	PA	Mackenzie Greene-Powell	LA Program- LAUREL	2014-2015
	PA	Cynthia Jacobs	LA Program- LAUREL	2014-2015
	PA	Kathleen Roltsch	LA Program- LAUREL	2014-2015
PA	Theodore Weber	LA Program- LAUREL	2014-2015	

Advising Continued

<i>Developing Scholars</i>	MS Biology	Cisco Velasquez	Assistant on Project	2008-2009
	MLA	Christopher Sanders	Assistant on Project	2009-2010
<i>Academic</i>	BLA Students	7-10 Students Per Year	Academic Advisor	All Seniors Graduated
	Multidisciplinary	5 Students	Academic Advisor	ULI Competition Submittal 2002
	BLA	Wyatt Thompson	Faculty Mentor	ASLA Research Submittal 2004
	BLA	Mark Ruzicka	Faculty Mentor/Sponsor	Udall Honorable Mention '05 & '06
	BLA and MLA	All Students	Computer & Hardware Purchases + Technical Support across 46 Applications	Students save over \$1000 on computer purchases and program ranked in top 5 Nationally for Technology
<i>Student Organization</i>	Student Chapter of the American Society of Landscape Architects	All Student Members	Faculty Advisor	Increased Professional Connections and Community Service via SCASLA Charrettes resulting in Student National recognition (2000-2006)
<i>*First Recipient of the Dangermond Fellowship (Sponsored by LAF, ASLA, ESRI presented at ASLA and ESRI UC)</i>				
<i>**Cody Pilger (BLA 2004) Co-Presenter at 2003 ASLA National Meeting in New Orleans, LA</i>				

Scholarly Publications

- Kim, J.H., Keane, T., Bernard, E.A., Fragmented Local Governance and Water Resource Management Outcomes, *Journal of Environmental Planning*, Online January 4, 2015, 150:378-86, March 1, 2015.
- Staggenborg, S. A., Waite, J., Aistrup, J., Andresen, D., Bernard, E. A., Bulatewicz, T., Kulcsar, L. J., Peterson, J. M., Schlegel, A., Steward, D. R. and Welch, S. M. Simulating deficit irrigation for use in coupled model scenarios. In Welch, S. M. ed. *Proceedings of the 41st Biological Systems Simulation Conference*. Austin, TX, April 19-21, 2011, 2011, 37-38.
- Steward, D. R., Aistrup, J., Andresen, D., Bernard, E. A., Bulatewicz, T., Kulcsar, L. J., Peterson, J. M., Staggenborg, S. A. and Welch, S. M. A comprehensive crop modeling geohydrologic framework to study the consequences of management practices. In Welch, S. M. ed. *Proceedings of the 41st Biological Systems Simulation Conference*. Austin, TX, April 19-21, 2011, 2011, 20-21.
- Yang, X., Steward, D. R., de Lange, W. J., Lauwo, S. Y., Chubb, R. M. and Bernard, E. A., Data Model for System Conceptualization in Groundwater Studies, *International Journal of Geographical Information Science*, 24: 5, 677 — 694, April 2010.
- Steward, D. R., Blair, J. M., Koelliker, J. K, Bernard, E. A., Dodds, W. K., Ham, J. M., Harrington, J., A., Kluitenberg, G. J., Leather, J. C., Monaco, G., Oviatt, C. G., Peterson, J. M., Reddi, L. N. and Welch, S. M., *Strategically Positioning K-State to Benefit from NSF's CUAHSI and NEON Programs*, TE report, January 16, 2007.
- Steward, D. R., Welch, S. M., Aistrup, J. A., Bernard, E. A., Clark, G. A., Dodds, W. K., Harrington, J. A., Hsu, W. H., Keller, J. W., Oviatt, C. G., Peterson, J. M., Staggenborg, S. A. and Thurston, L. P. *Scientific Discovery of Socio-Economic and Natural Processes Associated with Water*, TE report, January 16, 2007.
- Steward, D. R. and Bernard, E. A., Integrated engineering and landscape architecture approaches to address groundwater declines in the High Plains Aquifer, chap. 8 in *Case Studies in Environmental Engineering and Science*, eds. Bhandari, A. and Butkus, M.A., *AEESP*, pp.121-134, 2007
- Kulcsár, L.J., Bernard, E.A., Globalization through the backdoor: Uneven development in rural Kansas, 69th Annual Meeting of the Rural Sociological Society proceedings, Louisville, KY, August 10-13, 2006.
- Bernard, E.A., Andresen, D.A., Erickson, L.A., Linking EKAT Chemical Information to Geodatabase Features via Web Services, ESRI International User Conference Proceedings, San Diego, CA, ESRI Press, August 7-11, 2006.
- Steward, D. R. and E. A. Bernard, The synergistic powers of AEM and GIS geodatabase models in water resources studies, *Ground Water*, 44(1), 56-61, 2006.
- Steward, D.R. and E.A. Bernard, Case Studies in Water Resources: Integrated Engineering and Architecture Approaches to Address Groundwater Declines in the High Plains Aquifer, *AEESP (The Association of Environmental Engineering & Science Professors) Environmental Case Studies*, June 2006.
- Bernard, E. A., Steward, D. R., and Le Grand, P., A Geodatabase for Groundwater Modeling in MLAEM and MODFLOW, ESRI International User Conference Proceedings, San Diego, CA, ESRI Press, July 22-29, 2005.
- Steward, D. R., Le Grand, P., and Bernard, E., The Analytic Element Method and supporting GIS geodatabase model, *Boundary Elements 27: Proceedings from the 27th World Conference on BEM/MRM 27*, Orlando, FL, pp.187-196, WIT Press, March 15-17, 2005.
- Bernard, E. A., Peterson, J.M., and Steward, D.R., A Coupled Hydrologic-Economic Modeling Tool to Support Groundwater Management Decisions, 2004 High Plains Groundwater Resources: Challenges and Opportunities, Lubbock, TX, Proceedings, p. 82, December 7-9, 2004.
- Steward, D. R., Allison, L., Bernard, E. A., Bloomquist, L. E., Ham, J. M., Kluitenberg, G. J., Oviatt, C. G., Peterson, J. M., Reddi, L. N. and Welch, S. M., High Plains Aquifer Hydrologic Observatory: Prospectus, Consortium of Universities for the Advancement of Hydrologic Sciences, Inc. (online at www.cuahsi.org), July 29, 2004.
- Steward, D. R., Bernard, E. A., Bloomquist, L. E., Oviatt, C. G., Peterson, J. M. and Welch, S. M., Consortium for Global Research on Water-Based Economies (GRoWE), Congressional Action Summary, at the request of Kansas State University Administration and Congressional Delegation for submission to United States Congress, January 28, 2004.
- Steward, D. R. and Bernard, E. A., Understanding integrated processes through groundwater models and GIS technology, MODFLOW and More 2003: Understanding through Modeling, Conference Proceedings, volume 2, p. 466, Golden, CO, September 16-19, 2003.
- Steward, D. R., Bernard, E. A., Bloomquist, L. E., Oviatt, C. G., Peterson, J. M. and Welch, S. M., Research on Groundwater Based Economies, 20th Annual Water and the Future of Kansas Conference, Manhattan, KS, March 11, 2003, page 41-42.
- Steward, D. R., Bernard, E. A., Oviatt, C. G., and Peterson, J. M., The hydrologic and socioeconomic impacts of groundwater management strategies addressing sustained groundwater decline in the High Plains Aquifer, 19th Annual Water and the Future of Kansas Conference, Lawrence, KS, March 5, 2002, pages 39-40.
- Bernard, E. A., The National CAD Standard, *Landscape Architect and Specifier News*, March 2001.

Presentations Peer Reviewed

Foster, K., Yu, K., Olson, D., Bernard, E.A., Reigniting our Legacy: How landscape architects will lead Geodesign, American Society of Landscape Architects (ASLA) Annual Meeting and Expo, Denver, CO, November 23, 2014.

Steward, D.R., Bulatewicz, T., Aistrup, J.A., Andresen, D., Bernard, E.A., Kulcsar, L., Peterson, J.M., Staggenborg, S.A., Welch, S.M., A modeling paradigm for interdisciplinary water resources modeling: Simple Script Wrappers (SSW), European Geosciences Union (EGU) 2014, Vienna, Austria, April 28, 2014.

Kim, J.H., Keane, T., Bernard, E.A., Fragmented Local Governance and Water Resource Management Outcomes, 53rd Annual ACSP Conference, Cincinnati, OH, November 3, 2013.

Wang, P., Bernard, E.A., GIS-Based Coupled Cellular Automaton Model to Determine Irrigated Agriculture Land Use in the High Plains Aquifer Region, CELA 2013, Austin, TX, March 2013.

Bernard, E.A., Wang, P., Bulatewicz, T., Coupling Models using OpenMI, ODM and ArcGIS for Aquifer Management, ESRI User Conference, July 9, 2013.

Bernard, E.A., OpenMI, ODM and GIS Facilitate Coupled Modeling of Complex Systems, GeoDesign Summit, Redlands, CA, January 24, 2013.

Ploutz, R., Bernard, E.A., Achieving Conservation: New Cognitive Based Zoo Design Guidelines and Typologies, CELA 2012, March 28-31, 2012.

Staggenborg, S. A., Waite, J., Aistrup, J., Andresen, D., Bernard, E. A., Bulatewicz, T., Kulcsar, L. J., Peterson, J. M., Schlegel, A., Steward, D. R. and Welch, S. M. Simulating deficit irrigation for use in coupled model scenarios. In Welch, S. M. ed. Proceedings of the 41st Biological Systems Simulation Conference. (Austin, TX, April 19-21, 2011). , 2011, 37-38.

Steward, D. R., Aistrup, J., Andresen, D., Bernard, E. A., Bulatewicz, T., Kulcsar, L. J., Peterson, J. M., Staggenborg, S. A. and Welch, S. M. A comprehensive crop modeling geohydrologic framework to study the consequences of management practices. In Welch, S. M. ed. Proceedings of the 41st Biological Systems Simulation Conference. (Austin, TX, April 19-21, 2011). , 2011, 20-21.

Yang, X., Steward, D. R., de Lange, W. J., Lauwo, S. Y., Chubb, R. M. and Bernard, E. A., Data Model for System Conceptualization in Groundwater Studies, International Journal of Geographical Information Science, 24: 5, 677 — 694, April 2010.

Kulcsár, L.J., Bernard, E.A., Globalization through the backdoor: Uneven development in rural Kansas, Journal of Rural Sociology, Under Review.

Steward, D. R., Blair, J. M., Koelliker, J. K., Bernard, E. A., Dodds, W. K., Ham, J. M., Harrington, J. A., Kluitenberg, G. J., Leather, J. C., Monaco, G., Oviatt, C. G., Peterson, J. M., Reddi, L. N. and Welch, S. M., *Strategically Positioning K-State to Benefit from NSF's CUAHSI and NEON Programs*, TE report, January 16, 2007.

Steward, D. R., Welch, S. M., Aistrup, J. A., Bernard, E. A., Clark, G. A., Dodds, W. K., Harrington, J. A., Hsu, W. H., Keller, J. W., Oviatt, C. G., Peterson, J. M., Staggenborg, S. A. and Thurston, L. P. *Scientific Discovery of Socio-Economic and Natural Processes Associated with Water*, TE report, January 16, 2007.

Steward, D. R. and Bernard, E. A., Integrated engineering and landscape architecture approaches to address groundwater declines in the High Plains Aquifer, chap. 8 in Case Studies in Environmental Engineering and Science, eds. Bhandari, A. and Butkus, M.A., *AEESP*, pp.121-134, 2007.

Kulcsár, L.J., Bernard, E.A., Globalization through the backdoor: Uneven development in rural Kansas, 69th Annual Meeting of the Rural Sociological Society proceedings, Louisville, KY, August 10-13, 2006.

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Steward, D. R. and E. A. Bernard, The synergistic powers of AEM and GIS geodatabase models in water resources studies, *Ground Water*, 44(1), 56-61, 2006.

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Bernard, E. A., Steward, D. R., and Le Grand, P., A Geodatabase for Groundwater Modeling in MLAEM and MODFLOW, ESRI International User Conference Proceedings, San Diego, CA, ESRI Press, July 22-29, 2005.

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Bernard, E. A., Peterson, J.M., and Steward, D.R., A Coupled Hydrologic-Economic Modeling Tool to Support Groundwater Management Decisions, 2004 High Plains Groundwater Resources: Challenges and Opportunities, Lubbock, TX, Proceedings, p. 82, December 7-9, 2004.

Steward, D. R., Allison, L., Bernard, E. A., Bloomquist, L. E., Ham, J. M., Kluitenberg, G. J., Oviatt, C. G., Peterson, J. M., Reddi, L. N. and Welch, S. M., High Plains Aquifer Hydrologic Observatory: Prospectus, Consortium of Universities for the Advancement of Hydrologic Sciences, Inc. (online at www.cuahsi.org), July 29, 2004

Steward, D. R., Bernard, E. A., Bloomquist, L. E., Oviatt, C. G., Peterson, J. M. and Welch, S. M., Consortium for Global Research on Water-Based Economies (GRoWE), Congressional Action Summary, at the request of Kansas State University Administration and Congressional Delegation for submission to United States Congress, January 28, 2004.

Steward, D. R. and Bernard, E. A., Understanding integrated processes through groundwater models and GIS technology, MODFLOW and More 2003: Understanding through Modeling, Conference Proceedings, volume 2, p. 466, Golden, CO, September 16-19, 2003.

Steward, D. R., Bernard, E. A., Bloomquist, L. E., Oviatt, C. G., Peterson, J. M. and Welch, S. M., Research on Groundwater Based Economies, 20th Annual Water and the Future of Kansas Conference, Manhattan, KS, March 11, 2003, page 41-42.

Steward, D. R., Bernard, E. A., Oviatt, C. G., and Peterson, J. M., The hydrologic and socioeconomic impacts of groundwater management strategies addressing sustained groundwater decline in the High Plains Aquifer, 19th Annual Water and the Future of Kansas Conference, Lawrence, KS, March 5, 2002, pages 39-40.

Bernard, E. A., The National CAD Standard, Landscape Architect and Specifier News, March 2001.

Funded Research, Scholarship and Creative Activities

Bernard, E. A., Day, D. J., Manhattan Church of Christ Master Plan and Construction Documents, Manhattan, KS, 2003, \$2500.		\$ 2,500
Bernard, E. A., 3D Geodatabase Development, Prairie Band Potawatomi Nation, Mayetta, KS, 2001-2002, \$12,000.		\$ 12,000
Bernard, E. A., Hutchinson, J. M., Developing Maps Depicting Health Plans Offered to Union Pacific Non-Agreement Employees, PI, Union Pacific Railroad, 2001, \$1500.	\$ 1,500	
Bernard, E. A., McKenney Enterprises: Implementing Case Study Results on Sustaining the Family Farm and Ranch Applying Geospatial Technologies, PI, 2000-2001, \$1000.		\$ 1,000
Borchers, V., Bernard, E.A., KSU CAPD Visualization and Immersion Lab, Elumens Corporation, 2001, \$500,000.	\$ 500,000	
Steward, D. R. and Bernard, E. A., Data model and implementation in ArcGIS for MLAEM (Multi-Layer Analytic Element Model), CoPI, RIZA (Institute for Inland Water Management and Waste Water Treatment), The Netherlands, October 15, 2004-August 30, 2005, \$25,497.	\$ 25,497	
Steward, D. R. and Bernard, E. A., Prototyping connectivity of data and models in Sheridan County Study Region, Northwestern Kansas to address groundwater declines, CoPI, NSF EPSCoR, June 1, 2002 through August 31, 2002, \$19,887.	\$ 19,887	
Steward, D. R. and Bernard, E. A., Second Place Poster Prize, PI & Graphic Designer, NSF EPSCoR, April 8, 2003, \$500.	\$ 500	
Steward, D. R., Bernard, E. A., Stone, L. R., Unger, E. A. and Welch, S. M., Ogallala Aquifer Initiative: Hydrology/Climatology GIS Database Assembly, Management and Serving, CoPI, USDA/ARS, October 1, 2003 through September 30, 2005, \$37,980.	\$ 37,980	
Steward, D. R., Bernard, E. A., Stone, L. R., Unger, E. and Welch, S. M., Ogallala Aquifer Initiative: Hydrology/climatology, CoPI, USDA/ARS, October 1, 2003-September 30, 2008, \$108,409.	\$ 108,409	
Steward, D. R., Bernard, E. A., Bloomquist, L. E., Oviatt, C. G., Peterson, J. M. and Welch, S. M., Planning Grant: Establishing A Center for Research on Groundwater Based Economies, CoPI, NSF EPSCoR, March 1, 2003 through February 28, 2005, \$83,125.	\$ 83,125	
Steward, D. R., Bloomquist, L. E., Welch, S. M., Aistrup, J. A., Bernard, E. A., Clark, G. A., Dodds, W. K., Harrington, J. A., Hsu, W. H., Keller, J. W., Oviatt, C. G., Peterson, J. M., Staggenborg, S. A. and Thurston, L. P. Consortium for Global Research on Water-Based Economies (GRoWE) "Scientific Discovery of Socio-Economic and Natural Processes Associated with Water", Co-Author/Team Member, K-State Targeted Excellence Phase I, July 1, 2004-June 30, 2007,\$300,000.	\$ 300,000	
Unger, E.A., Hutchinson, J.M., Harrington, J.A., Bloomquist, L.E., Bernard, E.A., Brooks, K.B., Erickson, L.A., Gould, R.A., Hubbard, M.S., Koelliker, J.K., Knapp, M.C., Ransom, M.D., Reese, J.C., Townsend, H.C., Starrett, S.K., von Bergen, D., GIScience Infrastructure Enhancement Project, Key Collaborator, K-State Targeted Excellence Phase I, 2004, \$330,000.	\$ 330,000	
Steward, D.R., Blair, J.M., Koelliker, J.K., Bernard, E.A., Dodds, W.K., Ham, J.M., Harrington, J.A., Kluitenberg, G.J., Leatherman, J.C., Monaco, G., Oviatt, C.G., Peterson, J.M., Reddi, L.N., Welch, S.M., Strategically Positioning K-State to Benefit from NSF's CUAHSI and NEON Programs, Team Member, K-State Targeted Excellence Phase II, 2005, \$381,790.	\$ 381,790	
Steward, D.R., Bernard, E.A., Chubb, R.M., Stone, L.R., Welch, S.M., Ogallala Initiative, Hydrology/Climatology Data Integration, Organization, Integrity and Web Serving, CoPI, USDA ARS Proposal, 2006-2008, \$146,383.	\$ 146,383	
Hutchinson, J.M.S., J.A. Harrington, Jr., Geospatial Technology Infrastructure Enhancement Program – Phase II, Key Collaborator, K-State Targeted Excellence Phase II, 2005, \$550,000.	\$ 550,000	
Hutchinson, J.M.S., E. Bernard, and D. Andresen. 2005. GIS Functionality for the Environmental Knowledge and Assessment Tool (EKAT), CoPI, Center for Hazardous Substance Research (Urban Operations Environmental Laboratory) and M2 Technologies, \$99,203.	\$ 99,203	
Dodds, W. K., Blair, J. M., Harrington, J. A., Steward, D. R., Understanding and Forecasting Ecological Change: Causes, Trajectories and Consequences of Environmental Change in the Central Plains, co-PI, NSF EPSCoR, May 1, 2006-March 31, 2009, \$3,498,914 (\$915,279 under GRoWE subcontract Co-PI).	\$ 915,279	
Bernard, E.A., Mayberry, J., Bluemont Elementary Playground: Waste Tire Derived Products, Kansas Department of Health and Environment, August 2007-August 2008, \$44,012.		\$ 44,012
Aistrup, J., Peterson, J. M., Kulcsar, L., Bernard, E. A., and Steward, D. R., Hyper-extractive Economies and Sustainability: Policy Scenarios for Sustainable Water Use in the High Plains Aquifer, Co-PI, NSF CNH, October 1,2009-May 31,2011,\$1,499,999.	\$1,499,999	
Mulligan, K., Bernard, E.A., Barbato, L., Development of a Unified Map Service and Creation of Updated Geodatabase Layers and Maps of the Ogallala Aquifer, USDA-ARS Ogallala Aquifer Program, Co-PI, October 1, 2009-September 30, 2010, \$85,367.	\$ 85,367	
Kim, J.H., Keane, T., Aistrup, J., Bernard, E. A., Barnes, P., CHN-Ex: Political Fragmentation in Local Governance & Water Resource Management, Co-PI, NSF CNH, September 1,2011-February 28, 2014, \$249,019.	\$ 249,019	
Total Funding by Category	\$5,333,938	\$ 59,512
Total Research, Scholarship and Creative Activities Funding		\$5,393,450

Research and Professional Proposals

Borchers, V., Bernard, E.A., KSU CAPD Visualization and Immersion Lab, Elumens Corporation, 2001, \$750,000.	\$ 750,000
Darling, D., Lu, M., Brooks, K. B., Bernard, E. A., What Organizational Infrastructures are Working in Rural Kansas, CoPI, Kansas Agriculture Experiment Station Social Science Research Grant, 2001, \$19,770.	\$ 19,770
Bernard, E. A., Hutchinson, J. M., Developing a GeoDatabase Capable of Evaluating Existing Workforce Assets and Modeling Future Workforce Assets by Geographic Location, PI, Union Pacific Railroad, 2001, \$84,825.	\$ 84,825
Bernard, E. A., Hutchinson, J. M., Developing Maps Depicting Health Plans Offered to Union Pacific Non-agreement Employees, PI, Union Pacific Railroad, 2001, \$1500.	\$ 1,500
Bernard, E. A., Developing a 3D Geodatabase, PI, Prairie Band Potawatomi Nation, Mayetta, KS, 2001-2002, \$12,000.	\$ 12,000
Steward, D.R., Bernard, E.A., Peterson, J.M., Sustained Groundwater Decline in the High Plains Aquifer, CoPI, AWWA, 2002, \$149,883.	\$ 149,883
Steward, D.R., Bernard, E.A., Bloomquist, L.E., Peterson, J. M. and Welch, S. M., BE/CNH: Integrated Impacts of Water-Use Practices on Dynamic Natural-Human Systems, CoPI, NSF (Favorably Reviewed), 2002, \$1,999,679.	\$ 1,999,679
Steward, D.R., Bernard, E. A., Bloomquist, L.E., Oviatt, C. G., Peterson, J. M. and Welch, S. M., Thurston, L.M., IGERT: Integrated Traineeship in Managing Water Resources within Dynamic Natural-Human Systems, CoPI, NSF (Favorably Reviewed), 2002, \$3,396,710.	\$ 3,396,710
Steward, D.R., Bloomquist, L.E., Peterson, J.M., Thurston, L.M., Welch, S.M., Aistrup, J.A., Bernard, E.A., Clark, G.A., Dodds, W.K., Harrington, J.A., Hsu, W.H., Mahoney, J., and Oviatt, C.G., IGERT: Global Research on Water-Based Economies: A Cooperative Learning Immersion Experiment, CoPI, NSF (Favorably Reviewed), 2004, \$3,399,998.	\$ 3,399,998
Bohring, G.C., Buddemeier, R.W., Hsu, W.M., Wilson, B.B., Bernard, E.A., Steward, D.R., STARWARD: Analytical Tools for Validation and Visualization of Water Resource Databases, Senior Personnel, NSF, 2002.	
Bohring, G.C., Buddemeier, R.W., Hsu, W.M., Wilson, B.B., Bernard, E.A., Steward, D.R., STARWARD: Software Tools for Assessment of Resources using Well and Aquifer Regional Databases, Senior Personnel, NSF, 2004, \$390,406.	\$ 390,406
Steward, D. R. and Bernard, E. A., Prototyping connectivity of data and models in Sheridan County Study Region, Northwestern Kansas to address groundwater declines, CoPI, NSF EPSCoR, June 1, 2002 through August 31, 2002, \$83,116.	\$ 83,116
Steward, D. R., Bernard, E. A., Bloomquist, L. E., Oviatt, C. G., Peterson, J. M. and Welch, S. M., Establishing A Center for Research on Groundwater Based Economies, CoPI, NSF EPSCoR, March 1, 2002 through February 28, 2005, \$894,886.	\$ 894,886
Steward, D. R., Bernard, E. A., Stone, L. R., Unger, E. A. and Welch, S. M., Ogallala Aquifer Initiative: Hydrology/Climatology GIS Database Assembly, Management and Serving, PI, USDA/ARS, October 1, 2003 through September 30, 2005, \$108,409.	\$ 108,409
Bernard, E. A., Day, D. J., Manhattan Church of Christ Master Plan and Construction Documents, PI, Manhattan, KS, 2003, \$2500.	\$ 2,500
Steward, D.R., Bernard, E.A., Bloomquist, L.E., Oviatt, C. G., Peterson, J. M. and Welch, S.M., Co-Author/Team Member, K-State Provost's Targeted Excellence Phase I, Consortium for Global Research on Water-Based Economies, February 17, 2004, \$2,003,591.	\$ 2,003,591
Petersen, J. M., Bloomquist, L. E., Aistrup, J. E., Bernard, E. A., Steward, D. R., Use and Nonuse Values of Water: Implications for Rural Development in the Great Plains, CoPI, USDA/NRI, November 2004-October 2006, \$359,544.	\$ 359,544
Steward, D.R., Blair, J.M., Koelliker, J.K., Bernard, E.A., Dodds, W.K., Ham, J.M., Harrington, J.A., Kluitenberg, G.J., Leatherman, J.C., Monaco, G., Oviatt, C.G., Peterson, J.M., Reddi, L.N., Welch, S.M., Strategically Positioning K-State to Benefit from NSF's CUAHSI and NEON Programs, Team Member, K-State Provost's Targeted Excellence Phase II, 2005, \$381,790.	\$ 381,790
Leatherman, J.C., Mankin, K.R., Peterson, J.M., Barden, C.J., Bernard, E.A., Bernardo, D.J., Cable, T.T., Devlin, D.L., Hutchinson, J.M., Keane, T.D., Langemeier, M.R., Middendorf, G.D., Nelson, R.G., Warner, T.D., Williams, J.R., Watershed Assistance & Technical Education Resource (WATER) Collaborative, Collaborator, K-State Provost's Targeted Excellence Phase II, 2005, \$2,657,884.	\$ 2,657,884
Steward, D.R., Bernard, E.A., Chubb, R.M., Stone, L.R., Welch, S.M., Ogallala Initiative, Hydrology/Climatology Data Integration, Organization, Integrity and Web Serving, CoPI, USDA ARS Proposal, 2006-2008, \$146,383.	\$ 146,383
Steward, D.R., Andreson, D.A., Bernard, E.A., Peterson, J.M., Welch, S.M., Global Research on Water-Based Economies: Positioning Kansas For Non-EPSCoR Funding, CoPI, NSF EPSCoR, 2005, \$3,910,247.	\$ 3,910,247
Bloomquist, L.E., Aistrup, Bernard, E.A., Peterson, Steward, D.R., Prospects for Diminished Groundwater Use in the Kansas Ogallala Region: Assessing Current Attitudes and Exploring Future Possibilities, CoPI, KWRI, 2004, \$35,000.	\$ 35,000
Unger, E.A., Hutchinson, J.M., Harrington, J.A., Bloomquist, L.E., Bernard, E.A., Brooks, K.B., Erickson, L.A., Gould, R.A., Hubbard, M.S., Koelliker, J.K., Knapp, M.C., Ransom, M.D., Reese, J.C., Townsend, H.C., Starrett, S.K., von Bergen, D., GIScience Infrastructure Enhancement Project, Key Collaborator, K-State Targeted Excellence Phase I, 2004, \$2,165,233.	\$ 2,165,233

Research and Professional Proposals Continued

Hutchinson, J.M.S., E. Bernard, and D. Andresen. 2005. GIS Functionality for the Environmental Knowledge and Assessment Tool (EKAT), Co-PI, Center for Hazardous Substance Research (Urban Operations Environmental Laboratory) and M2 Technologies, \$99,203.	\$ 99,203
Bernard, E.A., Hutchinson, J.M.S., Gould, R.A., GIScience Commons Portal Proposal, K-State VPAST, November 2005, Principal Author, \$2,450,000.	\$ 2,450,000
Hutchinson, J.M.S., J.A. Harrington, Jr., Geospatial Technology Infrastructure Enhancement Program – Phase II, Key Collaborator, K-State Targeted Excellence Phase II, 2005, \$550,000.	\$ 550,000
Dodds, W. K., Blair, J. M., Harrington, J. A., Steward, D. R., Understanding and Forecasting Ecological Change: Causes, Trajectories and Consequences of Environmental Change in the Central Plains, co-PI, NSF EPSCoR, May 1, 2006-March 31, 2009, \$3,498,914 (coordinating \$915,279 under GRoWE).	\$ 3,498,914
Steward, D. R., Chandler, D. G., Kelly, E., Macpherson, G., Martinko, E., Mid-continental Critical Zone Observatory (McCZO), PI, NSF CZO, letter of intent, October 2, 2006.	
Welch, S. M., Bernard, E. A., Kulcsar, L., Peterson, J. M. and Steward, D. R., Changing Paths of Land-Water, and Resource-Use in the Central Plains, co-PI, NSF CNH, June 1, 2007 –May 30, 2010, \$1,500,000.	\$ 1,500,000
Steward, D. R., Chandler, D. G., Kelly, E., Macpherson, G., Martinko, E., Mid-continental Critical Zone Observatory (McCZO), PI, NSF CZO, June 1, 2007 – May 31, 2012, \$4,250,000.	\$ 4,250,000
Kulcsar, L., Aistrup, J., Bernard, E. A., Peterson, J. M., and Steward, D. R., Hyper-extraction, carrying capacity and community sustainability: Social transformation and resource dependence in Western Kansas, co-PI, NSF HSD, \$750,000.	\$ 750,000
Steward, D. R., Kulcsar, L., Martinko, E., Thurston, L. P., and Welch, S. M., Scientific Responses to Water Scientific Responses to Water Resources Issues in Information Resources Issues in Information- Rich Environments , NSF IGERT, June 1, 2008 – May 31, 2013, \$3,000,000.	\$ 3,000,000
Bernard, E.A., Mayberry, J., Bluemont Elementary Playground: Waste Tire Derived Products, Kansas Department of Health and Environment, August 2007-August 2008, \$44,012.	\$ 44,072
Prager, S., Battersby, S., Skupin, A., Bernard, E., Gallagher, S., Collaborative Research: Geographic Information Science Knowledge Web, Co-PI, June 1, 2009-May 31, 2011, \$919,383.00.	\$ 919,383
Aistrup, J., Peterson, J. M., Kulcsar, L., Bernard, E. A., and Steward, D. R., Hyper-extractive Economies and Sustainability: Policy Scenarios for Sustainable Water Use in the High Plains Aquifer, Co-PI, NSF CNH, June 1, 2009-May 31, 2011, \$1,499,999.	\$ 1,499,999
Mulligan, K., Bernard, E.A., Barbato, L., Development of a Unified Map Service and Creation of Updated Geodatabase Layers and Maps of the Ogallala Aquifer, USDA-ARS Ogallala Aquifer Program, Co-PI, October 1, 2009-September 30, 2010, \$85,367.	\$ 85,367
Kim, J.H., Keane, T., Aistrup, J., Bernard, E. A., Barnes, P., CHN-Ex: Political Fragmentation in Local Governance & Water Resource Management, Co-PI, NSF CNH, September 1, 2011-February 28, 2014, \$249,019.	\$ 249,019
Steward, D.R., Aistrup, J., Staggenborg, S., Welch, S.M., (Bernard, E.A. Senior Personnel) NSF IGERT: Tipping points in water limited systems: Preparing for when the wells go dry, September 2012-July 2015, \$2,000,000.	\$ 2,000,000
Bernard, E.A., Leveraging DASC and Local Government Data Toward More Efficient and Effective Decision Making by Implementing Standard Data Models, FY2012 GIS Database Development Proposal, State of Kansas GIS Policy Board, July 2011- June 2012, \$27350.	\$ 27,350
Young, J., Bernard, E.A., McKenney, C., Montague, T., Leinauer, B., Williams, R., Improving availability and quality of water for agriculture through reducing urban landscape use in the southwestern U.S., USDA, June 2015-Sept 2018, \$1,500,000 (UNM Sub Award \$650,000 Bernard, E.A. Principal Investigator).	\$ 1,500,000
Total Amount of Research and Professional Proposals	\$ 45,376,661

Invited Research and Professional Presentations

- Bernard, E.A., Keynote Closing Address, Geodesign NM: A Vision for the State and Region, Esri Southwest User Conference, Santa Fe, NM, December 4, 2014.
- Bernard, E.A., Keynote Address, Climate Change Sustainability Urban Forests Ecosystem functions & Services, West Texas Urban Forestry Council Sustainable is Attainable Conference 2014, El Paso, TX, November 5, 2014.
- Bernard, E.A., Keynote Address, GIS and Geodesign Computation Collaboration, Holman's Technology Summit, Albuquerque, NM, August 20-21, 2014.
- Bernard, E.A., Keynote Address, Today's Design Issue..., Think Trees Conference 2014, Albuquerque, NM, January 31, 2014.
- Bernard, E.A., Our Landscape, Coupled Modeling & BMP-LID Research, Our Future, NM ASLA Forum for Innovative Stormwater Infrastructure 2013, Albuquerque, October 18, 2013.
- Bernard, E.A., Bulatewicz, T., Andresen, D., Steward, D.R., Welch, S.M., Staggenborg, S.A., Peterson, J.M., Aistrup, J.A., Kulcsar, L., Wang, P., Coupled Modeling of Complex Systems: Water, Agriculture and People in the High Plains/Ogallala Aquifer Region, Albuquerque Pecha Kucha, September 20, 2013.
- Bernard, E.A., Plains Transitions East of the Divide, Semi-Arid Guild, Santa Fe, NM, March 20, 2013.
- Bernard, E.A., Coalesced Data Models for Enterprise Success, Mid America GIS Symposium (MAGIC) Senior Executive Keynote Address, Invited Monday, April 23, 2012.
- Bernard, E.A., Leveraging DASC and Local Government Data Toward More Efficient and Effective Decision Making by Implementing Standard Data Models, FY2012 GIS Database Development Proposal, State of Kansas GIS Policy Board Review Panel, August 2011.
- Bernard, E.A., Climate Change and Water Resource Systems in Kansas: Desired Future?, Water Issues Forum: Water and Climate, Kansas Water Office, Sedgewick County Extension Education Center, Wichita, KS, February 3, 2010.
- Bernard, E.A., Research and Information Needs in Addressing Sedimentation and Eutrophication of Reservoirs in the Context of Climate Change, From Dust Bowl to Mud Bowl: Sedimentation, Conservation Measures and the Future of Reservoirs, September 16, 2009.
- Bernard, E.A., Kansas Climate Changes Desired Future?, 2009 REAP Regional Water Conference, Hutchinson, KS, May 28, 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Zeandale, KS, April 14, 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Ogden, KS, April 16 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Ashland, KS, April 20, 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Riley, KS, April 21, 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Randolph, KS, April 23, 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Leonardville, KS, April 28, 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Manhattan, KS, April 30, 2009.
- Wedel, M., Proctor, D., Kahl, D., McCants, T., Bernard, E.A., Riley County Vision 2025 Public Meeting, Keats, KS, May 5, 2009.
- Bernard, E.A., Kansas Climate Changes Desired Future?, 26th Water and Future of Kansas Conference, Topeka, KS, March 26, 2009.
- Bernard, E.A., Charrette Team Leader, EPA Brownfields Charrette, Manhattan, KS, September 10, 2008.
- Bernard, E.A., Information, Cyberinfrastructure and Databasing to Support Ecological Modeling, Ecoforecasting Annual Meeting, Lawrence, KS, April 18-19, 2008.
- Bernard, E.A., Keynote Address-Water Management: Teamwork & Resources, Kansas Association of Floodplain Managers, Salina, KS, September 2-3, 2008.
- Bernard, E.A., Professional Development Lecture- LiDAR: What is it? What is its Potential? How does one get started?, Kansas Water Office with KDHE and KS DWR, June 10, 2008.
- Bernard, E.A., Steward, D.R., Chubb, R.M., Staggenborg, S.A., Welch, S.M., Research Update: Ogallala Initiative, Hydrology/Climatology Data Integration, Organization, Integrity and Web Serving for Modeling, USDA ARS Ogallala Initiative Conference, Amarillo, Texas, March 11-13 2008.
- Ecoforecasting Modeling Symposium II, February 27, 2008.
- Ecoforecasting Modeling Symposium I, December 17, 2007.
- Bernard, E.A., GIS Day: Where's Bob?, Bluemont Elementary School, Manhattan, KS, November 14, 2007.
- Bernard, E.A., Kersey, D. Nathaniel, LiDAR Potential in Kansas, LiDAR Working Group, Eisenhower Office Building, Topeka, KS, November 3, 2007.
- Bernard, E.A., Kersey, D. Nathaniel, LiDAR Potential and GIScience Future in Kansas, Kansas GIS Policy Board, November
- Bernard, E.A., CAPD Information Technology Plan Update, CAPD EXCOM, October 25, 2007.
- Bernard, E.A., GIScience and LiDAR Overview, Meeting with State GIS Director Ivan Weikert, October 18, 2007.
- GRoWE Consortium, Research Overview, GMD #1/#3 (David Brenn and Mark Rude), Manhattan, June 15, 2007.
- GRoWE Consortium, Research Overview, DWR (Kelly Warren), Manhattan, June 15, 2007.
- Harrington, J., Bernard, E.A., Hutchinson, J.M.S., GIScience and IT Infrastructure for K-State, Provost, VPAST, Associate VPAST, KState IT Heads, June 13, 2007.

LAR 758 Environmental Landscape Planning and Design with PLAN 836 Community Plan Preparation, Dickinson County Comprehensive Plan Final Presentation, May 1, 2007.

Ecoforecasting Symposium, April 21, 2007.

Bernard, E.A., GRoWE Overview, Jack Dangermond ESRI, President, Kansas State University, March 8, 2007.

LAR 758 Environmental Landscape Planning and Design with PLAN 836 Community Plan Preparation, Dickinson County Comprehensive Plan Community Focus Group, Chapman, KS, February 21, 2007.

LAR 758 Environmental Landscape Planning and Design with PLAN 836 Community Plan Preparation, Dickinson County Comprehensive Plan Community Focus Group, Herrington, KS, February 6, 2007.

Bernard, E.A., The Future of AEM: GIS, Closing Panelist, International Conference on the Analytic Element Method (ICAEM), Manhattan, KS, May 17, 2006

Bernard, E.A., Hutchinson, J.M.S., GIScience in Ag-Bio and Water Security, Mid-America GIS Symposium, Kansas City, Missouri, April 23-27, 2006.

Bernard, E.A., Kulcsar, Kansas Water Office, March 10, 2006.

Bernard, E.A., Andresen, D.A., Hutchinson, J.M.S., Erickson, L., Vanjaku, B., Keserwani, A., Whitely, C., Poster: Linking EKAT Chemical Information to Geodatabase Features via Web Services, U.S. Marine Corps IPR, January, 25, 2006.

Bernard, E.A., Landscape Architecture, Planning and GIScience in Community Decision Making, Phillips County and Phillipsburg Re-Development Delegation, Kansas State University, January 17, 2006.

Bernard, E.A., Landscape Architecture and Planning, CAPD Career Exploration Day, January 14, 2006.

Bernard, E.A., Landscape Architecture and Planning, Survey of the Design Professions, December 1, 2005.

Bernard, E.A., K-State GIScience Commons, Kansas GIS Policy Board, Kansas State University, November 18, 2005.

GROWE Consortium, Bernard, E.A., Steward, D.R., Peterson, J.M., Welch, S.A., GROWE Overview, Governor Jim Gehringer-Past Wyoming and Director of Policy and Governmental Relations ESRI, November 17, 2005.

Bernard, E.A., K-State GIScience Commons, GIScience Commons Dedication Ceremony, Kansas State University, November 17, 2005.

Bernard, E.A., The Consortium for Global Research on Water-Based Economies (GRoWE), 4th Annual KU GIS Day Symposium, University of Kansas, November 16, 2005.

GROWE Consortium, Bernard, E.A., Steward, D.R., Peterson, J.M., Welch, S.A., GROWE Collaboration Options, Kansas Farm Bureau Executives, October, 2005.

Bernard, E.A., The GRoWE Approach to High Plains Aquifer Research, Farm Bureau Seven State High Plains Aquifer Summit, selected to present for Kansas by the Kansas Farm Bureau, Kansas City, MO, September 6-7, 2005.

Bernard, E.A., GRoWE: GIS Integration and Development, Kansas GIS Policy Board, May 13, 2005.

Bernard, E.A., GIScience in Community Environmental Decision Making, EPA Funded Community Environmental Decision Making Institute, Rock Springs 4-H Camp, Junction City, Kansas, May 5-7, 2005.

Bernard, E.A., Steward, D.R., USDA ARS Hydrology/Climatology Working Group, 4 hour work session, Lubbock, Texas, July 13, 2005.

Bernard, E.A., Steward, D.R., GRoWE Consortium, Groundwater Management District #1, 1.5 hour presentation to Manager & Senior staff, Garden City, Kansas, July 12, 2005.

Bernard, E.A., Steward, D.R., GRoWE Consortium, Groundwater Management District #3 and #4, 2 hour presentation to Managers, Colby, Kansas, June 28, 2005.

Bernard, E.A., Steward, D.R., GRoWE: GIS Integration and Development, Kansas Water Office, Topeka, Kansas, May, 2005.

GROWE Consortium, Bernard, E.A., Steward, D.R., Peterson, J.M., Welch, S.A., GROWE Overview, Keith C. Clarke, UCSB and San Diego Super Computing, Kansas State University, April 14, 2005.

Bernard, E.A., Steward, D.R., Chubb, R.M., Research Update: Ogallala Initiative, Hydrology/Climatology Data Integration, Organization, Integrity and Web Serving, USDA ARS Ogallala Initiative Conference, Garden City, Kansas, March 2005.

GROWE Consortium, (Bernard, E.A., Steward, D.R., Peterson, J.M., Welch, S.A.), GROWE Overview, Kansas Farm Bureau Executives, November 27, 2004.

Bernard, E.A., GROWE Research, KCRI Board, November 5, 2004.

Bernard, E.A., GROWE Symposium Organizer and Master of Ceremonies, November 5, 2004.

Bernard, E. A., GROWE Research to Frank and Deborah Popper, February 11, 2004.

Bernard, E. A., PGASLA Links Luncheon, GIS Technology, Kansas City, MO, October 9, 2003.

GRoWE Consortium, Kansas Geological Survey, 2 hour discussion with State Geologist Lee Allison and Vice Provost Elizabeth Unger to coordinate sharing GIS data across institutions, September 2003.

Bernard, E. A., Kansas Streamlink, presentation to regional high school participants concerning professions that impact water and watershed planning, Wamego, KS, April 9, 2003.

Bernard, E. A., Manhattan Church of Christ, 3 meetings to discuss expansion plans, April 2003-January 2004.

GRoWE Consortium, Kansas Water Office, 1 hour discussion with new Directory (Joe Harkins) Topeka, KS, May 7, 2003.

Steward, D. R., Bernard, E. A., Hoxie Citizen's Group, 3 hour presentation, Hoxie, KS, December 17, 2002.

GRoWE Consortium, Kansas Biological Survey, 1.5 hour discussion, Lawrence, KS, October 16, 2002.

GRoWE Consortium, Kansas Geological Survey and Kansas Biological Survey, 2 hour discussion, Lawrence, KS, August 22, 2002.

GRoWE Consortium, Great Plains Foundation, 2 hour discussion with Founders, Dodge City, KS, August 14, 2002.

GRoWE Consortium, Ogallala Aquifer Institute, 2 hour presentation to Advisory Committee, Garden City, KS, August 14, 2002.

GRoWE Consortium, Groundwater Management District #3, 1 hour presentation to Board of Directors, Garden City, August 14, 2002.

GRoWE Consortium, Kansas Geological Survey and Kansas Biological Survey, 2 hour presentation, Lawrence, KS, July 16, 2002.

Division of Water Resources, Dept. of Agriculture, 2 hour presentation, Topeka, KS, July 15, 2002.

GRoWE, Kansas Water Office, 1 hour presentation, Topeka, KS, July 15, 2002.

GRoWE Consortium, Groundwater Management District #4, 2 hour presentation to Board of Directors (discussion with KSU on Modeling Proposal), Colby, KS, June 13, 2002.

GRoWE Consortium, Kansas Geological Survey and Kansas Biological Survey, 2 hour presentation, Lawrence, KS, May 15, 2002.

GRoWE Consortium, Kansas NSF EPSCoR, Major Initiative presentation, Topeka, KS, April 6, 2002.

GRoWE Consortium, Kansas Geological Survey, 4 hour discussion to coordinate proposals, Lawrence, KS, January 14, 2002

GRoWE Consortium, Kansas Geological Survey, 5 hour meeting including 1 hour presentation to discuss collaborative research, Lawrence, KS, December 7, 2001.

GRoWE Consortium, Teleconference presentation of data needs for research proposal to Groundwater Management District #4 Board of Directors, November 8, 2001.

GRoWE Consortium, Proposal for development of a coupled hydrologic-economic model with GIS support, presented to the Ogallala Management Committee, Garden City, KS, September 20, 2001.

GRoWE Consortium, Kansas Water Office, 4 hour meeting to discuss research, August 24, 2001.

GRoWE Consortium, Strategy for development of a coupled hydrologic-economic model with GIS support, presented to the Ogallala Management Committee, Colby, KS, July 26, 2001.

GRoWE Consortium, Presentation of research proposal to Board of Directors, Groundwater Management District #3, Garden City, KS, July 11, 2001.

GRoWE Consortium, Groundwater Management District #5, 3 hour meeting to discuss research opportunities, Stafford, KS, July 10, 2001.

GRoWE Consortium, Groundwater Management District #3, 2 hour meeting to discuss research opportunities, Garden City, KS, June 28, 2001.

GRoWE Consortium, Groundwater Management District #1, 2 hour meeting to discuss research opportunities, Scott City, KS, June 27, 2001.

GRoWE Consortium, Groundwater Management District #4, 2 hour meeting to discuss research opportunities, Colby, KS, June 27, 2001.

GRoWE Consortium, Kansas Water Office, 30 minute presentation on research, Topeka, KS, June 11, 2001.

Bernard, E. A., Prairie Band Potawatomi Nation, 8 meetings to discuss reservation geodatabase and tribal development imagery, Mayetta, KS, June 2001-January 2002.

Bernard, E. A., Hutchinson, J. M., Geospatial Technology (GST) Applications and Possibilities for the UPRR presentation to mid-level directors and managers assigned to the Work Force Asset Planning and Management Teams, and Communications Team, Union Pacific Railroad, Omaha, NE, 2001.

Conference Participant

NRPA Conference, Las Vegas, NV, November 2015.
CELA 2015 Conference, Manhattan, KS, March 2015.
ESRI Southwest User Conference, Santa Fe, NM, December 2-4, 2014.
ASLA Annual Meeting and Expo, Denver, CO, November 2014.
West Texas Urban Forestry Council, El Paso, TX, November 5, 2014.
Holman's Technology Summit, Albuquerque, NM, August 20-21, 2014.
CELA 2014 Conference, Baltimore, MD, March 2014.
Think Trees Conference 2014, Albuquerque, NM, January 31, 2014.
GeoDesign Summit, ESRI, Redlands, CA, January 6-8, 2014.
ESRI User Conference, San Diego, CA, July 2013.
CELA 2012 Conference, Austin, TX, March 2013.
GeoDesign Summit, ESRI, Redlands, CA, January 6-8, 2013.
ASLA Annual Meeting and Expo, Boston, MA, October, 2013.
NM ASLA Forum for Innovative Stormwater Infrastructure 2013, Albuquerque, October 18, 2013.
Think Trees 2013, Albuquerque, NM, January 2013.
ASLA Annual Meeting and Expo, Phoenix, AZ, October, 2012.
CELA 2011 Conference, Champaign, IL, March 2011.
GeoDesign Summit, ESRI, Redlands, CA, January 6-8, 2011.
Water Issues Forum: Water and Climate, Kansas Water Office, Sedgwick County Extension Education Center, Wichita, KS, February 3, 2010.
GeoDesign Summit, ESRI, Redlands, CA, January 6-8, 2010.
From Dust Bowl to Mud Bowl: Sedimentation, Conservation Measures and the Future of Reservoirs, September 14-16, 2009.
2009 REAP Regional Water Conference, Hutchinson, KS, May 28, 2009.
USDA Ogallala Aquifer Initiative Annual Meeting, USDA-ARS, Garden City, KS, March 11-13, 2009.
UCGIS Winter Meeting, Washington, DC, February 5-9, 2009.
CELA, Tucson, AZ, January 14-19, 2009.
Autodesk University, Las Vegas, NV, December 1-6, 2008.
Assessment Showcase, K-State, Manhattan, KS, October 24, 2008.
EPA Brownfields Charrette, Manhattan, KS, September 10, 2008.
Kansas Association of Floodplain Mappers and Managers, Salina, KS, September 2-3, 2008.
UCGIS Summer Assembly, Minneapolis, MN, June 23-25, 2008.
Professional Development Series, Kansas Water Office with KDHE and KS DWR, June 10, 2008.
Rainwater, Republican Watersheds LiDAR Acquisition Meeting, Lincoln, NE, May 6, 2008.
MAGIC 2008, Kansas City, MO, April 21-24, 2008
Ecoforecasting Annual Meeting, Lawrence, KS, April 18-19, 2008.
Center for Engagement and Community Development Board Meeting, Manhattan, KS, April 14, 2008.
Targeted Excellence Review Panel, Manhattan, KS, April 11, 2008.
Flint Hills Ecology Retreat, Pawnee, OK and Manhattan, KS, April 2-3, 2008.
Ecoforecasting Meeting, Lawrence, KS, February 27, 2008.
USDA Ogallala Aquifer Initiative Annual Meeting, USDA-ARS, Amarillo, TX, March 11-13, 2008.
UCGIS Winter Meeting, Washington, DC, February 8-9, 2008.
Saguache Comprehensive Plan Development, Saguache, CO, January 10, 2008.
Community Viz and Chip Game Training, Lyons and Saguache, CO, January 7-11, 2008.
GRoWE Symposium: Water Policy and Management in Kansas, David L. Pope (Exec. Director Missouri River Association of States and Tribes and former Chief Engineer Kansas Division of Water Resources), November 9, 2007.
GRoWE Symposium: Biofuels and Water: Will the two mix?, Ray Hammarlund (Director Kansas Energy Office) Susan Stover (Planning Manager Kansas Water Office), October 26, 2007.
CECD Engagement Symposium, October 11, 2007.
GRoWE Symposium: Water and Ethanol: Two Simple Molecules at the Core of a Very Complex Biofuels Revolution, Mary Rezac (Professor and Head Department of Chemical Engineering K-State), October 5, 2007.

GROWE Symposium: Ecological Forecasting: Building Infrastructure for the Great Plains, Walter K. Dodds (Professor of Biology K-State), September 21, 2007.
CESAS Sustainability Workshop, Manhattan, KS, July 19-20, 2007.
LiDAR Explorer Web Training, July 26, 2007.
USGBC Webcast on Zero Carbon, Internet, June 28, 2007.
CAPD Building Charrette, Manhattan, KS, June 14, 2007.
2010 Imperative: Global Climate Change, Webinar, USGBC, K-State, February 20, 2007.
LiDAR Workshop, US Army Corps of Engineers and USGS, Lawrence, Kansas, January 17, 2007.
Community Viz Training, Host, Kansas State University, September 6-8, 2006.
ESRI International User Conference, August 7-11, 2006.
ICAEM, Manhattan, Kansas, May 15-17, 2006.
Mid-America GIS Symposium, Kansas City, KS, April 23-27, 2006.
Water and the Future of Kansas, Topeka, KS, March 16, 2006.
Central Plains Irrigation Association Conference, Colby, KS, February 21-22, 2006.
GROWE Symposium II, Kansas State University, January 24, 2006.
ESRI International User Conference, July 22-29, 2005.
AUGI CAD Camp, Omaha, Nebraska, May 10, 2005.
Ogallala Aquifer Initiative, USDA ARS, Garden City, Kansas, March 2005.
High Plains Groundwater Resources: Challenges and Opportunities, Lubbock, TX, December 2004.
Water and the Future of Kansas, Lawrence, KS, March 2004.
UCGIS Winter Meeting, Washington, DC, February, 2004.
ASLA Annual Meeting and Expo, New Orleans, LA, October 2003.
CELA, Clemson University, Charleston, SC, September 2003.
Water and the Future of Kansas, Manhattan, KS, March 2003.
Mid-West CAD Expo, Lee Summit, MO, November 2002.
Water and the Future of Kansas, Lawrence, KS, March 2002.
Kansas Center for Rural Initiatives, Rural Leadership Conference, Manhattan, KS, January 2001.
CELA, University of California San Luis Obispo, CA, August 2001.
ASLA Annual Meeting and Expo, Saint Louis, MO, October, 2000.
CELA, University of Guelph, Ontario, Canada, August 2000.

Selected Creative Works of Landscape Architecture

<i>Landscape Architecture Projects</i>	<i>Location</i>
All Saints Episcopal School Campus & Stormwater Plan	Lubbock, Texas
Bargainer Residence	Austin, Texas
*Bluemont Elementary School Playground	Manhattan, Kansas
Canyon Forest Village	Tusayan, Arizona
*Copper Mountain- The Cirque	Copper Mountain, Colorado
Dallas-Fort Worth National Cemetery Veterans Memorial	Dallas, Texas
Eagle Pines Ranch	Inveremere, British Columbia, Canada
Edwards' Estate	Lubbock, Texas
Farm at Arapahoe County	Arapahoe County, Colorado
High Prairie Farms	Parker, Colorado
*Jensen Residence	Pottawatomie County, Kansas
*Kansas Statewide Soils Project	Manhattan, Kansas
*Lewis Ranch	Copper Mountain, Colorado
*Manhattan Church of Christ Master Plan	Manhattan, Kansas
Marriott Canyons	Park City, Utah
**Mariposa Ranch	Albuquerque, New Mexico
Onion Creek Golf Course Clubhouse	Austin, Texas
*Peace Lutheran Church Master Plan	Manhattan, Kansas
*Peace Lutheran Church Flint Hill Prairie Restoration	Manhattan, Kansas
*Prairie Band Potawatomi Nation Geodatabase	Mayetta, Kansas
Town of Snowmass Village Comprehensive Plan	Snowmass, Colorado
Trinity Ranch	Lubbock, Texas
*Snowmass Village	Snowmass, Colorado
St. Stephen's Episcopal Church Cloister Garden	Lubbock, Texas
Stafford Residence	Aspen, Colorado
Sugar Creek Refinery	Sugar Creek (KC Metro), Missouri
West Side Park and Pool Complex	Austin, Texas
Ziff Residence	Aspen, Colorado
* Indicates Projects from 2000-Present while at K-State	
**Indicates ASLA Honor Award	

Service

University

UNM University Committee on Planning, 2013.

UNM Chairs Council, 2013-2015.

State of Kansas GIS Policy Board, K-State Representative 2009-Present.

K-State GIScience Steering Committee, Chair 2008-2011 (2005-Present).

K-State University Consortium for Geographic Information Science (UCGIS) Delegate, 2005-Present.

K-State UCOWR (Universities Council on Water Resources) Delegate, 2005-Present.

K-State Provost and Senior Vice President Search Committee, 2009

K-State College of Architecture Planning and Design Dean Search Committee, 2008-2009.

K-State Center for Engagement and Community Development (CECD) On Campus Advisory Board, Spring 2006-2010.

K-State Faculty/Staff Changing Lives Campaign, CAPD Coordinator, Fall 2006.

K-STATE Provost Advisory Group on Engagement (PAGE), April 2005-Fall 2006.

K-STATE Search Committee-GIScience TE Faculty Line, October 2005-February 2006

K-STATE GIScience Commons SWAT-Co-Chair and Proposal Author, VPAST Appointed, May 2005-November 2006.

K-STATE GIS Geodatabase Manager/Application Developer Search Committee, 2004-2005.

SCASLA Ecological Design and Stormwater Management Charrette for the K-STATE Campus Creek Corridor, October 10-11, 2003.

K-STATE Oracle Spatial/SDE Geodatabase Implementation, collaborated with VPAST Unger, Harvard Townsend, James Olson, James Morill, Vance Baker and David Steward to implement first enterprise research geodatabase.

K-STATE GIS Week Committee- coordinated overall events and speaker Steve Mullen from Community VIZ to represent LARCP in the first large scale GIS week event at K-State.

K-State GIS Advisory Committee- attend semester meetings formal and informal on coordination and strategy for GIS implementation on the campus.

CITAC- Computer Information Technology Advisory Council, OEC (Organizational Efficiency and Communication Sub-Committee-Chair (nominated by Marc Johnson Dean of Agriculture) Authored annual report and presented to VPAST office (2000-2001), E-Business Sub-Committee (2001-2002), Appointed by Dean Law.

College

UNM SA+P Executive Committee, 2012-2015.

UNM SA+P Tenure and Promotion Policy Committee, 2012-2015.

UNM SA+P Computing and Fabrication Committee, 2012-2015.

UNM SA+P Speakers & Colloquia Committee, 2012-2015.

UNM SA+P Faculty Advisor to Tau Sigma Delta National Honor Society Gamma Lambda Chapter, 2013.

UNM SA+P Career Day Task Force, 2012-2015.

UNM SA+P Scholarships and Awards, 2012-2015.

CAPD Computing/Technology Committee, 2000-Present, Chair 2007-20010.

CAPD Building Vision Group, Summer 2007.

CAPD Telefund, 2006,2007,2008.

K-State Faculty/Staff Changing Lives Campaign, CAPD Coordinator, Fall 2006.

CAPD Web Committee, 2004-2006.

CAPD Open House Committee, 2000-2007.

CAPD Extreme Makeover Home Edition, October 17, 2005.

CAPD Web Site-developed database schemas and concepts for CAPD linked websites and worked with CAPD team and outside consultant to develop CAPD and new departmental site 2003-2006.

Collaborated with Harvard Townsend and Don Crawford for new CAPD Lab Computers 2001-2002.

Initiated and maintain the Premier Program for CAPD student computer purchases with Dell- research and establish system requirements and recommendations for necessary computer hardware for student purchase 2000-Present.

CAPD Open House Committee-LARCP Representative-Led assembly and attended LA space, designed and produced new signage for CAPD event, created news and media materials in support of LARCP and CAPD displays, 2000-2006.

Department

LA Program and SA+P SharePoint Architect, Developer and Manager- Collaboration and Management site for Administration and Accreditation Management, 2013-2015.

LAUREL- Landscape Architecture + Urban Research and Education Lab, Director, 2014-2015.

NM Geodatabase, Developer, Manager 2012-2015.

LA Program Scholarships & Awards, Chair, 2012-2015.

LARCP Faculty Affairs, Chair, 2011-2012.

LARCP Faculty Search Chair, 3 Searches, 2010-2011,

LARCP Faculty Affairs, Committee Member, 2009-2010.

RCP Faculty Search Committee Member, 2009-2010.

LA Faculty Search Committee Member, 2009-2010.

Design Week Committee Member, 2009.

LARCP Coordinator of LA Tech Module Sequence, 2005-Present.

LARCP Coordinator of Student Computer Purchases and Dell Premier Site, 2000-2010.

LARCP Technology, 2000-Present.

LARCP Strategic Planning Committee- Sub-committee on Web Design, 2006-2007.

LARE Review Session for Alumni, Spring 2004.

LARCP Web, 2000-2003.

LARCP Search Committee 2005

LARCP MLA Curriculum Committee, Fall 2005-Spring 2006

LARCP MLA Curriculum Committee

LARCP Departmental Database and Curriculum Management System Winter Intersession 2005-2006

LARCP BLA Curriculum Committee

2005- Roll out new www.thecela.org database content managed web site

2004- Re-elected Region IV Representative and continue development of IT Structure

2003- Presenter and Attendee- Served as Region IV Representative- Attended CELA Board Meeting, developed CELA IT Structure & K-STATE Proposal to Host CELA IT Structure

2002- Served as Region IV Representative

2001- Presenter and Attendee- Elected Region IV Representative & Innovations Committee

2000- First CELA Exposure- Presenter and Attendee

CELA

LA/RCP Faculty Technology Workshop- Prepared technology short courses on key technologies related to both teaching and landscape architecture including server and file management, imaging, CAD, GIS and KSOL.

SCASLA Ecological Design and Stormwater Management Charrette for the K-STATE Campus Creek Corridor, October 10-11, 2003.

Student Chapter of ASLA Advisor/Co-Advisor (BLA and MLA)- mentor student officers in leadership, team building and management, facilitate brainstorming sessions, aid representation of the organization throughout the university and community, initiate discussions on current trends in landscape architecture and inform organization on ASLA and PGASLA functions.

Researched and advise department on various technology purchases including the plotters, server, projectors, printers, scanners, as well as review software packages and new releases of software.

Initiated the Premier Program for LARCP student computer purchases with Dell- researched and established system requirements and recommendations for necessary computer hardware for student purchase.

LAR Mission committee member.

LAR BLA Curriculum committee member.

Designed LARCP Web Site- Researched university web publishing policies and strategies for accessibility, attended 35 online seminars on web development and accessibility, attended 3 on-campus web accessibility events to design a new web site for department.

Designed, estimated, and implemented design for 105 computer desks for students in the department

Community

Mesa Del Sol Neighborhood Association, 2014-Present.

Saranam, Board Member 2012-2014, Co-Chair 2014.

Jury Foreman, Riley County, Kansas, January 12-January 14, 2011.

First United Methodist Church, Manhattan, Kansas, Trustees, Led Energy Audit (2008-2009) 2007-2010.

Amigos de Anapra, Mexico and Susana Wesley School, 2007-Present.

Manhattan Department of Parks and Recreation, Tee Ball Coach, Summer 2008,2009.

First United Methodist Church, Manhattan, Kansas, Building Committee-Harris Activity Center Accessibility, 2007-2008.

Tomado Recovery Assistance in Manhattan and Chapman Kansas, June-July 2008

Bluemont Elementary School PTO Member and Grounds committee, 2007-2009

Bluemont Elementary School GIS Day Where's Bob? Presentation November 2007.

Bluemont Elementary School Playground Safety Surface Grant Author (Funded in full), Summer 2007.

St. George Recreation League, Tee Ball Coach, Summer 2006 & 2007.

Bluemont Elementary School Playground Design and Implementation, Summer 2007.

Peace Lutheran Church Action Team, January 2005-September 2005.

SCASLA Downtown Redevelopment Charrette for Manhattan, KS, October 16-17, 2004.

SCASLA Ecological Design and Stormwater Management Charrette for the K-STATE Campus Creek Corridor, October 10-11, 2003.

Fund raising participant with Habitat for Humanity, 2002.

Active Member of Peace Lutheran Church- Serve on Long Range Planning Team, Property & Grounds Planning Team, Stewardship committee, and Sponsor of Youth At Peace youth group (2000-2002)

Goodnow Neighborhood Association- Attendance at Water Plant expansion hearings and presentations on behalf of the Goodnow neighborhood and Goodnow park, and Traditional Neighborhood Overlay Proposal Advocate.

Professional Service

Licensed Landscape Architect, Kansas #696, May 5, 2005-Present.

CLARB Certified #6734, March 21, 2011-Present.

American Society of Landscape Architects (ASLA), 1991-Present.

NM Chapter of ASLA (NMASLA), 2012-Present.

Prairie Gateway Chapter of ASLA (PGASLA), 2000-2012.

Kansas GIS Policy Board, Appointed by Governor Parkinson, May 2009-2012.

Kansas GIS Policy Board Technical Advisory Committee, 2006-2012.

University Consortium for Geographic Information Science (UCGIS), 2004-2012.

Universities Council on Water Resources (UCOWR), 2005-2012.

Council of Educators in Landscape Architecture (CELA), 2000-2015.

CELA Database Schema Developer, 2004-2006.

CELA IT Infrastructure Chair, 2005-2006.

CELA Region IV Representative, 2001-2006.

Geodesign Tools and Workflows

esri: ArcInfo 1 to present ArcGIS 10.3.1 including: 3D Analyst, Network Analyst, Geostatistical Analyst, Python, ArcSDE, ArcGIS Server, ArcGIS Online for Organizations, Flex API, JavaScript API, Amazon AMIs for ArcGIS Server and Microsoft SQL 2014, CityEngine, and LP360 LiDAR extension, R, Anaconda Spyder.

Autodesk: AutoCAD version 9 to present AutoCAD 2016: including AutoCAD, Map 3D, Civil 3D, 3DS Max Design, Revit, Mudbox, Sketchbook Pro, Raster Design, and 123D products.

Adobe: Photoshop version 1 to present Creative Cloud including: Photoshop, Illustrator, InDesign, Bridge, Premier, Captivate, After Effects, Flash, Dreamweaver.

Microsoft: Office Professional and Office 365 including: Project, Visio, Access, Word, Excel, PowerPoint, SharePoint, SQL Server, SQL Server Express, Windows OS 3.1 to latest 10, Windows Server OS 2003-2016.