

Dr. Shawna J. Dark

EDUCATION

Doctoral Degree, University of California, Los Angeles, CA. August 2003
Major: Geography (*Geographic Information Systems*\Spatial Statistics)

Masters of Science, Humboldt State University, Arcata, CA August 1997
Major: Natural Resource Management

Bachelor of Arts, University of California, Davis, CA. May 1990
Major: Sociology of Law

Certificate, *Diversity, Equity, and Inclusion in the Workplace*. 2021. University of South Florida, Muma College of Business.

EXPERIENCE

Chief Academic Technology Officer, Assistant Vice Provost for Undergraduate Education - Research, Teaching and Learning, UC Berkeley. (September 2019 to present).

- Oversight and strategic direction of a broad scope of technology departments and applications critical to the campus mission including advising, instruction, research, and other campus functions (ie museum informatics, radio station technologies, etc.).
- Develop organizational policies and priorities for campus enterprise applications (instructional, advising, and research technologies) and engage with campus partners to prioritize initiatives and oversee their implementation.
- Direct ~100 staff members including analysis, administration, development, user experience, training and communication, and production support functions.
- Oversight of a complex ~\$20M budget from central, philanthropic, and research funding, as well as, other types of revenue.
- Served on Vice Provost for Undergraduate Education Leadership Committee and the CIO's Technology Leadership Counsel.
- Represent UC Berkeley in campus, system, regional, and national engagements.
- Develop and drive strategic policies for selection of technologies, methods, and evaluation criteria.
- Major initiatives:
 - Secured funding and implemented the first enterprise service supporting JupyterHub, Berkeley's open source computational platform for Data Science.
 - Oversight of advising strategy and operationalization\implementation of our campus enterprise advising platform BOA, utilizing real time learning analytics to support proactive advising outreach to students, supporting student success for underrepresented minorities.
 - Oversight of COVID response to remote learning at UC Berkeley. Implemented new tools, secured funding to support remote learning strategy (~\$4.0M), adopted new classroom technologies in response to faculty and students needs for remote learning.
 - Implemented campus enterprise video management platform for both course capture in our classrooms as well as integration with our learning management system, total project cost and on-going maintenance ~\$4.0M.

Associate Vice President, Academic Technology, CSU Long Beach (June 2015 to August 2019).

- Collaborated with the Academic Affairs Executive team, deans, chairs, faculty and senate committees in the development of the campus-wide strategic plan with a focus on strategies for student success, high impact practices, inclusiveness, and technology innovation.
- Oversight of and responsible for managing a functionally diverse team including a library data center, application development, web development, learning management system, instructional design, media support, and classroom (AV) support services.
- Led internal strategic planning for Academic Technology Services at CSULB. Created a new mission and vision statement, implemented 2 year priority projects focused on improving innovation, customer service, and support for student success.
- Provided oversight of the campus accessible technology initiative, creating an accessibility plan for instructional materials.
- Managed all campus-wide software-licensing contracts (~\$7 million) including assessment of contract updates.

Director, Center for Geospatial Science and Technology, CSU Northridge. (May 2003 to June 2015).

- Created the Center for Geospatial Science and Technology (CGST) on the CSUN campus (<http://www.csun.edu/center-for-geographical-studies>) providing career opportunities for over 30 students per year, for over 10 years in the field of geospatial science and technology.
- Developed and implemented statewide information systems for a variety of organizations including USGS, Caltrans, State Water Quality Control Board, US Fish and Wildlife Service, etc. Created customized applications for these projects with a focus on database design and integration.
- Acquired and managed large grants and contracts, as well as operating budgets for multiple projects.
- Developed and maintained long term customer service relationships throughout the state of California.
- Generated private industry partnerships and long term investment in the Center for Geospatial Science and Technology through outreach and presentations.

Chair, Department of Geography, CSU Northridge. (February 2010 to May 2014).

- Served as Chair for the Department of Geography, used participatory leadership and collaborative techniques to redefine our programmatic focus with a new emphasis on geospatial technology.
- Responded to student concerns and technology industry standards by creating a major option and minor in Geographical Information Systems that follows the Department of Labor's Core Competency Model in Geospatial Technology, our students now have transcript notation of training and competencies.
- Developed comprehensive online assessment rubric based on a combination of Quality Matters and more realistic rubrics developed by other state universities.
- Targeted declining enrollment by creating a recruitment plan and departmental recruitment committee. The last year I was chair the Geography Department had the highest number of majors since the Fall of 1993.
- Developed skills in organizational change management and faculty advocacy through programmatic assessment of Geography major.

OTHER RELATED EXPERIENCE

Full Professor, Geography Dept. CSU Northridge (August 2002 - June 2015)

Lead Programmer Analyst. HazInfo, Sherman Oaks, California. (December 1998 – December 2000).

Geographic Information Analyst. Southern California Edison (May 1997 – December 1998).

SELECTED PUBLICATIONS (additional available upon request):

Dark, S. 2020. *Analytics and Student Success*. In: 2020 EDUCAUSE Horizon Report, Teaching and Learning Edition, Editors Malcolm Brown, Mark McCormack, Jamie Reeves, D. Christopher Brooks, and Susan Grajek, Educause, 58pp.

Guatier, Adrienne and **S. Dark**. 2020. *Elevation of Instructional Design, Learning Engineering, and UX Design*. In: 2020 EDUCAUSE Horizon Report, Teaching and Learning Edition, Editors Malcolm Brown, Mark McCormack, Jamie Reeves, D. Christopher Brooks, and Susan Grajek, Educause, 58pp.

Giraldo, M.A., **S. Dark**, P. Pendleton, E.D. Stein, R.D. Mazor, J. Andreas. 2019. *Environmental predictors of stream flow in semi-arid watersheds for biological assessments*. Ecological Indicators 104:429-438.

Stein, E.D., J.S. Brown, K. Cayce, M. Klatt, M. Salomon, P. Pendleton, S. Dark, K. O'Connor, C. Endris. 2014. *California Aquatic Resources Status and Trends Program: Mapping Methodology*. Technical Report 833. Southern California Coastal Water Research Project Authority. Costa Mesa, CA.

Beller, E. E.; Baumgarten, S.; Grossinger, R. M.; Longcore, T.; Stein, E. D.; **Dark, S.**; Dusterhoff, S. D. 2014. *Northern San Diego County Lagoons Historical Ecology Investigation*. San Francisco Estuary Institute - Aquatic Science Center: Richmond, CA. p 215.

S. Dark, E. Stein, D. Bram, and J. Osuna. 2012. *Historical Ecology as a Living Resource for Informing Urban Wetland Restoration*. Urban Coast 3: 54-60.

SELECTED GRANTS, CONTRACTS, AND AWARDS (past 5 years only):

UC Berkeley, LCFF+. 2019. "Supporting new models for student advising." \$100,000.

UCOP, ITLI. 2020. "A new model in support of strategic online education." \$150,000.

CSU Tech Gold Award. 2018. "Supporting Student Success – Re-Imagining Student Orientation and Advising."

CSU Chancellor's Office. 2018-2019. "Creating a plan for adopting affordable learning solutions at CSULB." \$17,000.

CSU Tech Gold Award. 2017-2018. "Innovation, Education, and Exchange – Achieving Economies of Scale with the Universal Library Management System."

Additional publications, grants and contracts, service, and presentation information available upon request.