

Mark Lange

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EDUCATION

(2007)	Ph.D.	University of Southern California Dissertation: <i>Suspended Sediment Dynamics at a Tidal River Divergence</i>	Geography
2006	Grad. Certificate	University of Southern California	GIS
2000	M.A.	East Carolina University Thesis: <i>Beach and bar dynamics on a low-energy, micro-tidal coast</i>	Geography
1993	B.A.	Central Washington University	Geography <i>magna cum laude</i>

PROFESSIONAL EXPERIENCE

2006-2007	Legislative Fellow	Knauss Marine Policy Fellow, NOAA	U. S. House of Representatives Washington, DC
1998	GIS Analyst	satellite imagery and GIS analysis	HJW Geospatial, Inc. Oakland, CA
1994-1998	Project Leader	hiring manager for GIS mapping team	NAVTEQ Inc. Sunnyvale, CA

ACADEMIC APPOINTMENTS

2003-2005	Research Assistant	Sacramento-San Joaquin Delta Studies – Field Program to Measure Levee Erosion California Department of Boating and Waterways PIs: B. Bauer and D. Sherman
2003	Research Assistant	Sacramento-San Joaquin Delta Studies – Assessment of Tractive Force Due To Flood Flows California Department of Boating and Waterways PI: B. Bauer
2000-2002	Research Assistant	Pratte's Reef Post-installation Monitoring Surfrider Foundation. PI: J. Borrero
2001	Research Assistant	Sediment Impoundment in California's Coastal Watersheds California Coastal Conservancy PI: D. Sherman
2001	Teaching Assistant	GEOG-265 The Water Planet University of Southern California
2000	Teaching Assistant	GEOG-260 Natural Hazards University of Southern California
2000	Teaching Assistant	GEOG-5220 Physical Geography Field Experience, Colorado East Carolina University
1999	Production Assistant	Book Review Editor (D. Dixon), Annals of the Association of American Geographers East Carolina University
1999	Graduate Assistant	Physical Geography Field Experience class development East Carolina University

- 1999 Teaching Assistant **GEOG-1000 Introduction to Geography** East Carolina University
- 1998-1999 Research Assistant **Quantifying Sediment Erosion, Storage, and Delivery on the North Carolina Coastal Plain** U.S. Department of Agriculture
 Pls: J.D. Phillips, M. Slattery, and P. Gares

PUBLICATIONS

Peer-reviewed

- PEASE, P., S. LECCE, P. GARES and M. LANGE, 2002. Suggestions for Low-Cost Equipment for Physical Geography II: Field Equipment, *The Journal of Geography*, 101(5): 199-206.
- PEASE, P., S. LECCE, P. GARES and M. LANGE, 2002. Suggestions for Low-Cost Equipment for Physical Geography I: Laboratory Equipment, *The Journal of Geography*, 101(4): 167-174.
- LANGE, M., S. LECCE and P. PEASE, 2000. Sediment Storage and Drainage Ditch Excavation on the North Carolina Coastal Plain: A Case Study in Pitt County. *The North Carolina Geographer*, 8: 55-63.

In Press

- LANGE, M.D. 2007 Beaches, in *Encyclopedia of Environment and Society*, P. Robbins, (ed) Sage Press: Thousand Oaks.

Technical Reports

- ELLIS, J.T., M.D. LANGE, B.O. BAUER, M.S. LORANG, SHERMAN, D.J., 2007. *Assessing Levee Erosion in the Sacramento and San Joaquin River Delta*, California Department of Boating and Waterways, December 2006, p386.
- ELLIS, J.T., M.D. LANGE, B.O. BAUER, M.S. LORANG, SHERMAN, D.J., 2006. *Assessing Levee Erosion in the Sacramento and San Joaquin River Delta*, California Department of Boating and Waterways, December 2006, p368.
- SHERMAN, D.J., B.O. BAUER, M.S. LORANG, J.T. ELLIS, M.D. LANGE, 2005. *Assessing Levee Erosion in the Sacramento and San Joaquin River Delta*, California Department of Boating and Waterways, August 2005, p362.

CONFERENCE PRESENTATIONS

- 2007 LANGE, M.D. and B.O. BAUER. ***Patterns of Flow at a Tidal River Divergence, Sacramento River, California***, 103rd Association of American Geographers Annual Meeting, San Francisco, California, USA.
- 2006 LANGE, M.D. and B.O. BAUER. ***Sediment Transport at a Tidal River Divergence***, 102nd Association of American Geographers Annual Meeting, Chicago, Illinois, USA.
- 2004 LANGE, M.D., B.O. BAUER, D.J. SHERMAN, and M.S. LORANG. ***Mapping Erosion Potential in the Sacramento-San Joaquin Delta, California***, 100th Association of American Geographers Annual Meeting, Philadelphia, Pennsylvania, USA.
- 2003 BAUER, B.O., J.T. ELLIS, D.J. SHERMAN, M.S. LORANG, J. McDERMOTT, and M.D. LANGE. ***Variability in Levee-Bank Erosion: Sacramento River Delta, California***, 99th Association of American Geographers Annual Meeting, New Orleans, Louisiana, USA.
- 2001 SHERMAN, D.J., C. AVENDANO, K. BARRON, J. ELLIS, M. LANGE and I. MACK. ***Impact of Dams on California's Coastal Sediment Supply***. California Shore and Beach Preservation Association and California Coastal Coalition Joint Conference, San Diego, California, USA.

- 2000 PEASE, P. and M. LANGE. ***Spatial Variability in Aeolian Sediment Transport in the Southeastern U.S. Coastal Plain.*** 96th Association of American Geographers Annual Meeting, Pittsburgh, Pennsylvania, USA. (poster).
- 2000 LANGE, M.D. and S. LECCE. ***Channel Narrowing and Sediment Storage in an Agricultural Drainage on the North Carolina Coastal Plain.*** 96th Association of American Geographers Annual Meeting, Pittsburgh, Pennsylvania, USA.
- 1999 LANGE, M.D. and S. LECCE ***Channel Narrowing and Sediment Recycling in a Coastal Plain Agricultural Drainage, North Carolina.*** Southeastern Division AAG Annual Meeting, Tampa, Florida, USA.

GRANTS

- 2004-2006 **National Science Foundation – Dissertation Research Grant BCS-0402104**
Spatio-temporal Patterns of Suspended Sediment Transport At A Tidal River Bifurcation
 PI with Dr. John Wilson and Dr. Bernie Bauer, University of Southern California **\$12,000**

HONORS and AFFILIATIONS

- 2007 **Graduate Student Paper Award (Ph.D.)**
 Geomorphology Specialty Group, Association of American Geographers
- 2005 **Reds Wolman Graduate Student Research Award**
 Geomorphology Specialty Group, Association of American Geographers
- 2005-2006 **Dissertation Fellow** University of Southern California
- 2004-2005 **Tyler Environmental Fellow** The Tyler Prize
- 2004 **Best Graduate Student Paper** Geog. Dept., Univ. of S. California
- 2001-2003 **Merit Fellow** University of Southern California
- 1993 **Deans Scholar** Central Washington University
- since 2000 **Phi Kappa Phi** academic honor society, member
- since 1998 **American Geophysical Union** member
- since 1998 **Association of American Geographers** member

SERVICE

- 2004- 2005 **Graduate Student Faculty Representative** USC
- 2003 **Mentor – NSF Research Experience for Undergraduates** USC
- 1999-2000 **President – Geography Graduate Student Alliance** ECU
- 1998-1999 **Graduate Student Representative – Colloquium Committee** ECU
- 1995-1998 **Volunteer Geologist – Coastal & Marine Geology** U.S. Geological Survey