

**DEIDRE ELLEN SULLIVAN**

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**National Science Foundation Biosketch****A. Education**

B.A. in Geological Sciences & Aquatic Biology  
 University of California, Santa Barbara, CA • 1983.

M.S. in Marine Sciences, Marine Geology emphasis.  
 Moss Landing Marine Laboratories • San Jose State University • 1994

M.S. in Physical Geography with a minor Marine Resource Management  
 Graduate Certificate in Geographic Information Science  
 Oregon State University • 2007

**B. Appointments (Management & Research Positions)**

|                          |  |                     |
|--------------------------|--|---------------------|
| 9/97 – present           | MARINE ADVANCED TECHNOLOGY EDUCATION CENTER<br>Director and PI (4/05 – present)<br>Curriculum and Industry Manager and Co-PI (9/97-3/05)   | Monterey, CA        |
|                          | <ul style="list-style-type: none"> <li>• Research, publish, and present economic trends and future employment needs in marine technology</li> <li>• Develop knowledge and skill guidelines and competencies for marine occupations</li> <li>• Develop marine technology curricula on GIS, career awareness, and subsea technologies</li> <li>• Write annual reports, proposals, and administrative documentation</li> <li>• Help coordinate and instruct faculty workshops</li> <li>• Lead in developing the overall goals and strategic plan for the Center</li> <li>• Manage staff and consultants and their work plans</li> </ul> |                     |
| 2/92-10/96               | MOSS LANDING MARINE LABORATORIES<br>Marine Geology Research Assistant  | Moss Landing, CA    |
| 11/86-10/95<br>(summers) | CATALINA ISLAND MARINE INSTITUTE (CIMI)<br>Director of Diving Services   | Catalina Island, CA |
| 6/88-2000                | CATALINA VIDEO PRODUCTIONS<br>Producer and Co-Owner  |                     |
| 6/86-11/90               | CATALINA ISLAND MARINE INSTITUTE (CIMI)<br>Logistics Director  | Catalina Island, CA |

**B. Appointments (Teaching Positions)**

|                        |  |                   |
|------------------------|--|-------------------|
| 9/99-present           | MONTEREY PENINSULA COLLEGE<br>Teach Intro & Advanced GIS, marine technology and career courses | Monterey, CA      |
| 1996-2002<br>(summers) | SAN FRANCISCO STATE UNIVERSITY<br>Taught field method courses in biology and geology           | Big Sur Coast, CA |
| 1/95-12/97             | HARTNELL COLLEGE<br>Taught Earth and environmental science courses                             | Salinas, CA       |

### **C. Publications – Closely Related to Project**

1. Hochstaedter, A. and D. Sullivan. 2012. Oceanography and Google Earth: Observing ocean processes with time animations and student-built ocean drifters. *The Geological Society of America. Special Paper* 492.
2. Rosenfeld, L., Sullivan, D. and T. Murphree. 2009. *Certification for Oceanographic Professionals: A Needs Assessment Study*. The MATE Center. 72 pp. [http://www.marinetech.org/workforce/certification/CPOP\\_MATE.pdf](http://www.marinetech.org/workforce/certification/CPOP_MATE.pdf)
3. Sullivan, D., Brase, T, and A. Johnson. 2008. *A Plan for the National Coordination of Geospatial Technology Education from a Community College Perspective*. The MATE Center 72pp. [http://www.marinetech.org/workforce/geospatial/GSTreport7\\_17\\_Final.pdf](http://www.marinetech.org/workforce/geospatial/GSTreport7_17_Final.pdf)
4. Sullivan, D. and L. Hotaling. 2007. Ocean Sciences and the Sensor Revolution: Implications for our Educational System and Workforce *NMEA Current, The Journal of Marine Education*. V 23 n. 1 p. 12-14.
5. Sullivan, D., T. Murphree, B. Ford, J. Zande. 2006. OceanCareers.com: Navigating your way to a better future. *Marine Technology Society Journal*. V. 39, n.4, p.99-104
6. Sullivan, D. Zande, J, Butcher S., Murphree T., and B. Ford. 2003. Using Marine Technology to Develop Ocean Literacy and to Teach Workplace Competencies *Current, The Journal of Marine Education*. v. 19, n. 3 p. 20-26.

### **C. Publications – Other Significant Publications**

1. Sullivan, D., Ford, B. and T. Murphree 2002. *Educational Competencies for Marine Science and Technology Occupations*. MATE Center 75 pp.
2. Sullivan, D. 2002. Are we adequately preparing students for ocean occupations? *Sea Technology*. v.43, no. 2, p.75.
3. Yoklavich, M.M., Cailliet G.M., Greene, H.G., Sullivan, D.E., Lee, B., and M. Love, 2000. Habitat associations of deep-water rockfishes in a submarine canyon: an example of a natural refuge. *Fishery Bulletin* 98(3) p. 625-641.
4. Greene, H.G., Yoklavich, M.M., Starr, R.M., O'Connell, V.M., Wakefield, W.W, Sullivan, D.E., McRea, J.E., and G.M. Cailliet, 1999. A classification scheme for deep seafloor habitats. *Oceanologica ACTA* v. 22, n. 6, p. 663-678.
5. Yoklavich, M.M., Cailliet G.M., Greene, H.G., and D.E. Sullivan, 1995. Interpretation of sidescan sonar records for rockfish habitat analysis: examples from Monterey Bay. *Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Special Pub. 9*.

### **D. Synergistic Activities**

- Recipient of the 2008 Community College *Special Achievement in GIS* from ESRI
- Chair of the National Advisory Board for the National Geospatial Technology Center (NSF)
- Recipient of *Excellence in Education in GIS* in the State of California awarded by the California Geographic Information Association. 2003
- Science Judge for the *Otter Bowl*, a high ocean science bowl sponsored by the Consortium for Ocean Research and Education. Monterey, CA 2003, 2004, 2005, 2006, 2007 & 2008
- Board of Directors for *Save the Whales* a 501(c)(3) non-profit educational organization
- Lead Poster Judge for the *International MATE ROV Competition*, 2002-2012

### **E. Collaborators:**

Nicole Crane, Roberta Dean, Bruce Ford, Sharon Franks, Tami Lunsford, Kam Matray, Russ Moll, Tom Murphree, Andy Palowitch, Cheryl Peach, Craig Strang, Jill Zande. Graduate Advisors: Greg Cailliet, Gary Greene, Michael Ledbetter, Mary Yoklavich, Dawn Wright, Julia Jones, Jim Good, Alan Mix, Alex Sanchez