



## University of Hawai‘i Sea Grant College Program

2525 Correa Road • HIG 238 • Honolulu, Hawai‘i 96822 • Phone: (808) 956-7031 • <http://seagrants.soest.hawaii.edu>

School of Ocean and Earth Science and Technology

### Peter J. Rappa Sustainable Coastal Development Fellowship

**APPLICATIONS DUE: Wednesday, March 15, 2017**

To continue the spirit and good work of long-time coastal sustainability extension agent Peter Joseph Rappa, the Sea Grant College Program of the University of Hawai‘i at Mānoa’s School of Ocean and Earth Science and Technology has created a memorial fellowship. The Sustainable Coastal Development (SCD) Fellow will be involved in training and research to better understand aspects of coastal sustainability and resilience conducted within several of the Hawai‘i Sea Grant Centers of Excellence.

Hawai‘i’s communities statewide are engaging their natural, social, and built environments in efforts to better manage issues that affect their livability, sustainability and resiliency. The SCD Fellow will further their knowledge and understanding of sustainable coastal development through research, extension, and community-based education in topics of *coastal smart growth and community planning* and their integration with *hazard mitigation and climate change adaptation*.

#### Potential project/work topics:

- Research and inventory coastal hazards mitigation, sea-level rise adaptation, and pre- and post-disaster recovery planning strategies and models of implementation
- Support the maintenance and expansion of a web-based Low Impact Development (LID) and Green Stormwater Infrastructure (GSI) Best Management Practices (BMP) atlas
- Research and inventory metrics and indicators of smart growth, community livability, and coastal resiliency with respect to socio-physical environment to support the *Aloha+ Challenge*
- Apply NOAA runoff, impervious surface, and habitat modeling tools in the context of the Ala Wai Watershed to support the Ala Wai Watershed Partnership
- Research and apply resiliency self-assessments for Hawai‘i communities
- Conduct research and data collection in support of Honolulu’s development of a Resilience Strategy under the Rockefeller Foundation’s 100 Resilient Cities Challenge
- Develop multi-media (e.g., maps, story maps, print documents, video, web pages and social media materials) outreach materials of the Center’s activities

The SCD Fellow will also gain an understanding of the multifaceted operations of Hawai‘i Sea Grant through shadowing extension faculty and participating in activities as scheduling permits.

#### Requirements

- All full-time undergraduates or graduate students currently enrolled in an accredited university or community college are eligible to apply for the SCD Fellowship

#### Location:

- University of Hawai‘i at Mānoa, School of Ocean, Earth Science, and Technology (SOEST)

#### Supervisor:

- Dr. Darren Lerner, Director, University of Hawai‘i Sea Grant College Program

*The University of Hawai‘i Sea Grant College Program supports an innovative program of research, education, and extension services directed to the improved understanding and stewardship of coastal and marine resources of the state, region, and nation. Science serving Hawai‘i and the Pacific for over 40 years.*

**Length of Fellowship**

- 8 week summer fellowship (June-August)

**Stipend:**

- \$5,500

**Application components**

- Cover Letter (2 pages maximum)
- Resume (2 pages maximum)
- Unofficial transcripts
- Two reference letters

**Application Submission:**

Please submit via email to:

Maya Walton, Program Leader

University of Hawai'i Sea Grant College Program

[waltonm@hawaii.edu](mailto:waltonm@hawaii.edu)

(808) 956-6992

**APPLICATIONS DUE: Wednesday, March 15, 2017**