

# Science Education for New Civic Engagements and Responsibilities SENCER Center for Innovation West at University of Hawai'i 2015

## FACULTY INSTITUTE FEBRUARY 28, 2015

Innovations - Connecting Indigenous, Natural, and Social Sciences  
through Education and Civic Engagement

UH Mānoa Campus Center Ballroom & rooms 309-310 - Please join us!

## CONSULTATIONS, PRESENTATIONS, MEETINGS

You are invited to request consultations, presentations, and meetings with  
the visiting SENCER team members during the period 2/26-3/7

A team from SENCER (Science Education for New Civic Engagements and Responsibilities) and its Center for Innovation SCI-West and National Center for Science and Civic Education will be in Hawai'i to consult and inspire higher education and in turn gather information about existing and new Hawai'i educational initiatives.

There will be opportunities to explore further work with SENCER, including team creation for participation in the 2015 SENCER Summer Institute, as well as proposal development for SENCER and NSF.

SENCER is NSF's leading initiative to reform undergraduate science education. It has received continuous funding from NSF since 2004 and is funded through 2017. SENCER applies the science of learning to the learning of science, all to expand civic capacity. SENCER courses and programs connect science, technology, engineering, and mathematics content to critical local, national, and global challenges - an approach that makes science more real, accessible, and civically important. SENCER supports a community of practice by offering faculty development programs through regional symposia and annual Summer Institutes, and supplement those interactions with a collection of resources. SENCER encourages and participates in the development of assessment strategies and tools that help educators better evaluate and promote student learning and engagement, as well as supports advanced research in these areas.

The SENCER Innovation team is interested in how higher education in Hawai'i is integrating SENCER principles and practices in both the natural and social sciences with a sharp focus on Native Hawaiian practices, culture and epistemology. From that focus came the idea of making Hawai'i a model state in the SENCER context.

As a first step, the SENCER Center for Innovation West; the University of Hawai'i at Mānoa's College of Social Sciences and its Native Hawaiian Initiative team and Program for Civic Engagement; as well as the KCC-led, Hui o Moku interdisciplinary and inter-institutional Hawai'i SENCER team together host a faculty institute on Saturday 2/28/15 and regional meetings, consultations, presentations, and house calls during the period from February 26 to March 7, 2015.

**For more information** about the Faculty Institute and the developing schedule of arrangements with the visiting SENCER team - including requesting meetings, consultations, presentations, and house calls - please contact: Dr. Ulla Hasager, Director of Civic Engagement for the College of Social Sciences, UH Mānoa, at [ulla@hawaii.edu](mailto:ulla@hawaii.edu), 808 956 4218 and 808 330 1276, and see our Google spreadsheet ([https://docs.google.com/spreadsheets/d/1mvCzhWeAntZYRLqMq48PQukhSk\\_mvFWWhyrBI7w3pjVc/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1mvCzhWeAntZYRLqMq48PQukhSk_mvFWWhyrBI7w3pjVc/edit?usp=sharing))  
SENCER, Science Education for New Civic Engagement and Responsibilities: [sencer.net](http://sencer.net)  
SCI-West: <http://www.sencer.net/RegionalCenters/west.cfm>  
The National Center for Science and Civic Engagement: <http://www.ncsce.net>  
SSI, SENCER Summer Institute 2015: <http://www.sencer.net/Symposia/summerinstitute2015.cfm>

**Sponsors:** SENCER Center for Innovation West, UHM College of Social Sciences (including its Native Hawaiian Initiative SENCER Team, several departments, and Program for Civic Engagement), the Hui o Moku SENCER team, University of Hawai'i at Mānoa, Kapi'olani Community College, Windward Community College, University of Hawai'i at Hilo, Hawai'i Pacific Islands Campus Compact; and the Hawai'i Sustainability in Higher Education Summit 2015.

***Please join us at the faculty institute and take advantage of this unique opportunity to meet and work with members of the SENCER leadership teams. Free and open to the public.***

Registration: <http://www.sencer.net/RegionalCenters/SCIWest2015HawaiiMeeting.cfm>

SENCER - Science Education for New Civic Engagement and Responsibilities

## **FACULTY INSTITUTE 2/28 2015**

University of Hawai'i at Mānoa Campus Center

Ballroom (morning sessions and lunch) and rooms 309/310 (afternoon sessions)

Theme: Innovations - Connecting Indigenous, Natural, and Social Sciences  
through Education and Civic Engagement

From 8am to 10 am the rooms are open for inter-island groups as needed, including the Hui O Moku group, the Hawai'i Pacific Islands Campus Compact leadership group, and the Sustainability Summit Leadership debrief)

### **9:30am - Registration and refreshments**

#### **10am-12:30pm - Welcome and introductions, Dean Denise Konan, UHM CSS, and SENCER Leadership Fellow followed by introduction to SENCER theory and practice by SENCER leaders**

- **Dr. Amy Shachter**, Santa Clara University. Senior Associate Provost for Research and Faculty Affairs. SCI-West co-director.
- **Dr. Steven Bachofer**, St. Mary's College of California, Department of Chemistry. Professor. SCI-West co-director.
- **Dr. Stephen Carroll**, Santa Clara University, Department of English. Senior Lecturer, SCI-West Leadership Council, Principal Investigator for SALG (SENCER online Student Assessment of Learning Gains tool), and primary consultant for current Hawai'i SENCER teams.
- **Christine DeCarlo**, National Center for Science and Civic Engagement, Washington DC. SENCER and Engaging Mathematics Program Assistant.
- **Richard Sheardy**, Texas Woman's University. Professor and Chair of Chemistry & Biochemistry. SENCER Center for Innovation (SCI)-Southwest chair.

#### **12:30-1:30pm - Networking lunch, poster presentations** – including a chance to mingle with the Sustainability Summit student participants

#### **1:30-4pm - Presentations of ongoing work linking indigenous knowledge and practices with social and natural sciences in Hawai'i**

#### **4:15-5:30pm - Work session in breakout groups: Exploring collaboration, team creation, sencerizing courses, civic-engagement program development, and grant-making.**

#### **5:30-6pm - Summary and closing - planning for the future - Dr. Robert Franco, KCC, SCI-West Leadership Council, and Dr. Ulla Hasager, UHM, Program for Civic Engagement**

---

### **Hawai'i coordinators for the institute and consultations**

SENCER Leadership Fellow, Dr. Denise Konan, Dean, College of Social Sciences, UH Mānoa

SCI-West Hawai'i representative: Dr. Robert Franco, Director of the Office of Institutional Effectiveness at Kapi'olani Community College and Senior Faculty Fellow for Campus Compact

UH Mānoa (O'ahu) College of Social Sciences: Hokulani Aikau, Greg Chun, Noelani Goodyear-Ka'opua, Ulla Hasager, Kalei Kanuha, Ty Kawika Tengan; College of Engineering: Oceana Francis, Reza Ghorbani.

UH Hilo (Hawai'i Island): Lisa Parr

Windward Community College (O'ahu): David Krupp

Kapi'olani Community College (O'ahu): Wendy Kuntz

### **Contact information**

Dr. Ulla Hasager, UHMānoa, [ulla@hawaii.edu](mailto:ulla@hawaii.edu), 808 956 4218 and 808 330 1276

Dr. Robert Franco, Kapi'olani Community College, [bfranco@hawaii.edu](mailto:bfranco@hawaii.edu)

Dr. Amy Shachter, Santa Clara University, [ashachter@scu.edu](mailto:ashachter@scu.edu)