The University of Hawai‘i at Hilo Faculty Congress
and the College of Continuing Education and Community Service present:

The Art and Science of the SEM
(Scanning Electron Microscope)

Wednesday, December 9, 6:30pm to 7:30pm UH Hilo Campus, UCB 100

According to the National Science Foundation, the greatest scientific and technological breakthroughs are expected at the intersection of disciplines. This cross-pollination of divergent thinking and creative applications is now at the forefront of leading edge research at many institutions. The Scanning Electron Microscope (SEM) reveals the fantastic topography of a specimen so highly resolved that it shows the microscopic structure in incredible detail unavailable to the naked eye or even light microscopes. The resulting imagery is beautiful, provocative and awe-inspiring - a perfect blending of Art and Science.

This lecture focuses on the collaborative effort between the UH Hilo Art Department and Marine Science Department. Students in the AST class of FALL 2014 participated in a SEM lab where they prepared and scanned their specimens. The SEM imagery was then digitally dissected, merged, reconfigured, etc., and used as design elements in an art project using Photoshop. The results were amazing!

Jason Adolf, Ph.D.
Associate Professor, Marine Science
Dr. Adolf’s research examines the factors influencing nearshore phytoplankton dynamics around Hawaii Island. He teaches courses on Oceanography, Research Methods, Cell Biology, and Scanning Electron Microscopy.

Colleen Cannon-Karlos, MFA
Lecturer, Art Department
Cannon-Karlos developed “Art, Science & Technology (AST),” which is an experimental interdisciplinary course that explores the creative process through the arts and sciences by incorporating STEM principles in math, science and technology.

For more information, call CCECS at 974-7664
For disability accommodation, call 974-7664 (V), 974-7002 (TTY) by 11/27/15