



SoFlacs



South Florida Section American Chemical Society

SEMINAR

Drs. Mickey Sarquis & Lynn Hogue

Center for Chemical Education

Miami University-Ohio

**“Lowering Students’ Activation
Energy for Learning Chemistry”**

Tuesday Sept. 9 2008, 4:30 pm

**Findeiss Aud., Pine Crest School
Fort Lauderdale**

**(about two miles east on Cypress Creek Blvd/NE 62 St, exit 33E
from I-95)**

For information contact: Ms. Cheryl Doolittle
cheryl.doolittle@pinecrest.edu

Abstract:

Reunite the fun of Chemistry with the mental (minds-on aspects) of chemistry. This is accomplished through the multi-sensory interactions, visualizations, and modeling that will be demonstrated during this talk. These proven strategies will illustrate abstract chemical concepts and increase both motivation and conceptual understanding in students.

Sarquis and Hogue have worked together for more than 15 years developing chemistry-based toys lessons for teachers and students of all ages. They have made numerous plenary and invited presentations at ACS meetings, teacher meetings, and in-school special events for teachers and students. Themes of these presentations include kinesthetic activities, visualization in chemistry, student motivation to learn chemistry, using toys as a learning tool, and meeting the diverse needs of learners through an array of teaching strategies. In 2003-2004 alone, this dynamic team presented in Russia, England, China, Taiwan, Vietnam, Chile, Brazil and throughout the U.S.

Biographic Sketch

Mickey Sarquis, Professor of Chemistry & Biochemistry and Director of the Center for Chemistry Education at Miami University, is an internationally recognized leader in chemistry and science education. Her pioneering chemistry-based teacher enhancement and curriculum development efforts have become national and international models. She is a proponent of active learning. She has published more than 60 books (including the popular Teaching Science with TOYS series), monographs, chapters, and articles and is a widely traveled guest lecturer and tour speaker. She is an active member of ACS, presently serving as a member of the Council representing DivCHED, member of ACS Committee on Community Activities, Program Chair for the 2006 Biennial Chemical Education Conference, and many other DivCHED committees. Mickey also served in the DivCHED chair (2001-2003), as the first high school editor of the Journal of Chemical Education (1979-1996), and as PolyEd liaison (1986-1995).

Lynn Hogue was a high school science teacher for 30 years before joining Miami University's Center for Chemical Education as Associate Director in 1992. She has served as teacher programs director and lead instructor for more than 50 funded National Science Foundation, National Institutes of Health, National Petrochemical Refiners Association, and Ohio Board of Regents programs. Lynn is co-author of several teacher resource books including Family Science Fun from A to Z; Classroom Science from A to Z; Investigating Solids, Liquids, and Gases with TOYS; and Science Projects for Holidays Throughout the Year. She has worked with school districts throughout the country in presenting teacher in-services and assisting them with updating their science curricula. In addition, Lynn has given more than 100 featured presentations over the last five years.