

## **Charles G. Sammis: USC**

**Present Position:** Professor of Geological and Materials Sciences, University of Southern California

Visiting Professor, University College London

**Born:** 1944, Huntington, New York

### **Education:**

Brown University, Sc. B. (Cum Laude, with honors in Physics) 1965

California Institute of Technology, M.S. (Geophysics) 1968

California Institute of Technology, Ph.D., 1971

### **Previous Positions:**

N.A.T.O. Postdoctoral Fellow in the School of Theoretical Chemistry at the University of Bristol, 1971-72

Assistant Professor of Geophysics, Department of Geosciences, The Pennsylvania State University, 1972-75

Associate Professor of Geophysics, Department of Geosciences, The Pennsylvania State University, 1975-77

Associate Professor of Geophysics, Department of Geological Sciences, University of Southern California, 1977-1987

Professor, Department of Geological Sciences, University of Southern California, 1987-

### **Academic Awards:**

United Aircraft Scholarship, Brown University, 1961-1965.

Title IV Fellowship, Caltech, 1966-1970.

N.E.R.C. Visiting Scientist Fellowship, Cambridge, 1983-1984.

Burlington Resources Foundation Faculty Research Award, 1991.

USC Associates Award for Excellence in Teaching, 1994.

Tomas Brody Honorary Chair at the UNAM Institute of Physics, Mexico City, 1999.

### **Professional Activity:**

Department Chair: Dept. of Earth Sciences, Univ. of Southern California 1994-1998

Visiting Scholar: Cambridge University Engineering Laboratory, 1983-1984

Visiting Professor: Institut de Physique du Globe de Paris,

Universite Pierre et Marie Curie, Summer, 1987.

Institute for Theoretical Physics (U.C. Santa Barbara), Fall, 1992

Associate Editor: Journal of Geophysical Research, 1984-1987

Associate Editor: Reviews of Geophysics and Space Physics, 1984-1987

Member: NASA Planetary Science Review Panel, 1980-1982

Member: AGU Mineral Physics Committee, 1984-

Member: AGU Publicity Committee , 1988-1991  
Member: Geomechanics Committee of the Am.Soc.Mech.Engineers, 1988-  
U.S. Organizer: U.S.-Japan Seminar on "Fracture, Form, and  
Fractals", NSF U.S.-Japan Cooperative Science Program,  
Lake Arrowhead, CA. 1989.

### **FIVE RECENT RELEVANT PUBLICATIONS**

Sammis, C.G., R.M. Nadeau, and L.R. Johnson, How strong is an asperity?, J. Geophys. Res., 104, 10,609-10,619, 1999.

Sammis, C.G., and S.W. Smith, Seismic cycles and the evolution of stress correlation in cellular automaton models of finite fault networks?, in press, PAGEOPH., 1998.

Huang, Y., H. Saleur, C. Sammis, and D. Sornette, Precursors, aftershocks, criticality and self-organized criticality, Europhys. Letters , 41, 43-48, 1998.

Bowman, D.D., G. Ouillon, C.G. Sammis, A. Sornette, and D. Sornette, An observational test of the critical earthquake concept, J.Geophys. Res., 103, 24,359-24,372, 1998.

Saleur, H., C.G. Sammis, and D. Sornette, Discrete scale invariance, complex fractal dimensions, and log-periodic fluctuations in seismicity, J. Geophys. Res., 101, 17,661-17,677, 1996.