

## **ROBERT SANI, PROFESSOR**

Department of Chemical and Biological Engineering  
University of Colorado  
Boulder, CO 80309-0424  
Phone: (303) 492-5517  
Email: sani@colorado.edu

### **EDUCATION**

B.S., University of California at Berkeley, 1958  
M.S., University of California at Berkeley, 1960  
Ph.D., University of Minnesota, 1963

### **PROFESSIONAL EXPERIENCE**

September 1976-present, Professor of Chemical Engineering, University of Colorado  
February 1983 - June 1983, Visiting Research Associate, University of Minnesota, Minneapolis, Minnesota  
September 1982-January 1983, Professeur Associ., l'Universit, d'Aix-Marseille I, Marseille, France  
June 1979-June 1980, Acting Director, Cooperative Institute for Research in Environmental Sciences, University of Colorado  
Summer 1974-1983, Lawrence Livermore National Laboratory, Physics Department, Atmospheric Science Division  
1970-1971, Visiting Associate in Chemical Engineering, California Institute of Technology  
1970-1976, Associate Professor of Chemical Engineering, University of Illinois  
Summer 1970, American Oil Company; research on hybrid computing methods  
Summer 1964, University of Minnesota; research position in the Department of Chemical Engineering  
1963 and spring Semester 1964, Rensselaer Polytechnic Institute; teaching and research position in Department of Mathematics  
September 1964-1970, Assistant Professor of Chemical Engineering, University of Illinois  
Summer 1958, Western Regional Research Laboratory, U.S.D.A.; research on boiling heat transfer  
Summer 1959, Research Assistant, Lawrence Radiation Laboratory

### **CONSULTING**

Lawrence Livermore National Laboratory (1976-1990)  
Fluid Dynamics International (1986-1996)

### **PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS**

1. Gresho, P.M. and Sani, R.L., *Incompressible Flow and the Finite Element Method, Vol 1. and Vol. 2*, John Wiley and Sons, Ltd. (2000).
2. Li, D., Sani, R.L., Greenberg, A.R. and Krantz, W.B., "Studies of the Thermally Induced Phase Separation (TIPS) Membrane Formation Process," Proc. China-US AIChE Meeting, Beijing, September (2000).
3. Georgiadou, M., Veyret, D., Sani, R.L. and Alkire, R.C., "Simulation of Shape Evolution During Electrodeposition of Copper in the Presence of Additive," *J. Electrochemical Soc.*, [148], 54-58, (2001).

4. Sani, R.L., "Modeling Electrochemical Systems," Proc. 10<sup>th</sup> International Colloquium on Numerical Analysis and Computer Sciences, Plovdiv, Bulgaria (2001).
5. Sani, R.L., J. Shen, O. Pironneau and P.M. Gresho" Pressure Boundary Condition for the Time-dependent Navier Stokes Equations," International Journal for Numerical Methods in Fluids, [50],673-682, (2006)

#### **SCIENTIFIC AND PROFESSIONAL SOCIETIES**

American Institute of Chemical Engineer  
Tau Beta Pi

#### **HONORS AN AWARDS**

Guggenheim Fellowship, 1970-71

Listed in: Who's Who in Technology Today

Men of Achievement

Who's Who in Frontier Science and Technology

Who's Who in America

Who's Who in Society

International Leaders in Achievement

International Who's Who in Engineering

Faculty Research Award, College of Engineering and Applied Sciences,  
University of Colorado, 1983

#### **INSTITUTIONAL AND PROESSIONAL SERVICE IN THE LAST FIVE YEARS**

Editorial Board, International Journal for Numerical Methods in Fluids

Editorial Board, Revue Europeenne des Elements Finis

Editorial Board, Int'l. J. Computational Engineering Science

Editorial Board, Int'l. J. Computational and Numerical Analysis and Applications