

## **Seyad Ebrahim Beladi**

### **Name and academic rank:**

Seyad Ebrahim Beladi, Adjunct Professor

### **Degrees with fields, institutions and date:**

Ph.D. Mechanical Engineering, University of Florida, Gainesville, Florida August 1982.

M.S. Mechanical Engineering, University of Florida, Gainesville, Florida March 1980

B.S. Mechanical Engineering, The Pahlavi (Shiraz) University, Shiraz, Iran, June 1975.

### **Number of years service of this faculty, date of original appointments, and dates of advancement in rank:**

14 Years

Adjunct Professor, Florida International University, 2000-present

### **Other related experience:**

Research Scientist / Director of Engineering, General Mechanics Consulting Engineers, 1988-present.

Director of Research and Advance Technologies, Gulf Group of Companies, Nicosia Cyprus, 1992-present

Chairman & CEO, New Century Technologies, Boca Raton, Florida 1990 – 1995

Adjunct Faculty, Broward Community College, Engineering and Computer Science, 1987-present.

Faculty and Director of Education, ATI, Fort Lauderdale, Florida, 1987- 1990.

Associate Professor / Research Associate, Mechanical Engineering Department, University of Florida, Gainesville, Florida 1982- 1987.

Graduate Research Assistant, Mechanical Engineering Department, University of Florida, Gainesville, Florida 1978-1982.

Manager & Director of capital Works Department, Iran Electronic Industries, Shiraz, Iran 1973-1978.

Consulting, Engineering Consultant, 1975 – Present.

### **Consulting, patents, etc.:**

Director of Combustion & Propulsion Laboratories, University of Florida, 1982-1987.

Post Doctoral Research Associate, University of Florida, IFAS (Institute of Food and Agricultural Science) University of Florida, 1984-1987.

Consulting, Engineering Consultant, 1975 – Present.

### **Principal publications:**

Beladi, S.E. & Irey, R.K. “Model Thermal Engine Cycles for Photovoltaic Cells”, Journal of Applied Physics, 1985.

Beladi, S.E. & Allen H.L. “Mathematical Model of Plants-Environmental Interactions, Simulation of Crop Canopy Response to CO<sub>2</sub> Concentration, Temperature, and Vapor Pressure Deficit”, Agronomy Abstract, 1983.

Beladi, S.E. & Allen H.L. “Mathematical Modeling of Two dimensional Free Air carbon Dioxide Release for Vegetation Response”, American Meteorological Society Abstract, 161-164, May 1985.

Beladi, S.E., Professor Eric Farber “Development of Thermo-physical Properties of Vegetable Oils ( ASTM Standards) as a Heat Transfer Medium, for High Temperature Solar Energy Applications, Department of Energy, 1981.

Beladi S.E., “Finite Difference and Finite Elements”, Pratt & Whitney, 1984.

Beladi, S.E. & Irey, R.K., “Mathematical Modeling and Carnot Limitations of Laser “, Union Carbide 1982.

Beladi S.E. & Proctor, C.L. “Two dimensional Velocity Distribution in Turbulent Diffusion Flame”, US Air Force 1985.

Beladi S.E. & Proctor, C.L. “Soot Emission and Modeling in Turbulent Diffusion Flames”, US Air Force 1986.

Beladi, S.E. & Proctor, C.L. “Mathematical Modeling of Combustion System”, US Air Force, 1986.

### **Professional associations:**

Member of American Society of Mechanical Engineers (ASME).

Member of Society of Automotive Engineers (SAE), International Advance Land and Air Mobility.

Member of American and International Society of Solar energy Society (AS/ISE)

Member of American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE).

Tau Beta Pi Alumni, University of Florida, Gainesville.

