

## **SUMMARY VITA – James Henry, Ph.D., P.E.**

### ***Professor***

**Years on Faculty:** 29 (original appointment 08/01/80)

**State in which registered:** Louisiana

### **Degrees:**

B.A. Rice University, 1964

B.S. Chemical Engineering, Rice University, 1964

M.A. Princeton University, 1966

Ph.D. Chemical Engineering, Princeton University, 1970

Post-Doctoral, Yale University, 1971

### **Other Related Experience:**

Visiting Academic University of Edinburgh, Scotland; 1988

Fulbright Professor, University of Jordan, Amman, Jordan

Associate Professor of Chemical Engineering, Tulane University, New Orleans, LA (1976-1980)

Chemical Research Engineer, U.S. Department of Energy, Pittsburgh, PA (1971-1976)

Lecturer and Applied Research Staff Scientist, Yale University. New Haven, Connecticut (1970-1971)

Associate Professor and Teaching Intern, Prairie View A. and M. University and Woodrow Wilson Foundation

Prairie View, Texas (1968-1970).

### **Consulting and Patents:**

Consultant: University of Tennessee Space Institute, Tullahoma

Consultant: Tennessee Valley Authority, Chattanooga

Consultant: W.J. Kidde, New Orleans

Consultant: Burk & Associates, New Orleans

Consultant: Walk-Haydel & Associates, New Orleans

Consultant: ICI International, Chattanooga

Consultant: US Power, Philadelphia, PA

Consultant: Southern Champion Tray, Chattanooga

Consultant: Fillauer, Chattanooga

Reviewer: National Bureau of Standards, Washington, D.C.

### **Principal Publications of last 5 years:**

"Real or Simulation: Experiences Using Computer Simulation versus Remote Operation for Process Control", Henry and Zollars, ASEE Annual Meeting, 2004

"PDAs, Cell-phones.... What's next?", Henry, AIChE Meeting, 2004

"Enhancing Classroom Demonstrations and Home Assignments with Remote Experiments ", Henry, Long and Gadzke, AIChE Meeting, 2004

"Examples of Teaching Green Engineering in Engineering Courses ", Martin Abraham, Luke E Achenie, Ann Marie Flynn, Jim Henry (*speaker*), Wallace B Whiting, Robert P Hesketh and C. Stewart Slater, AIChE Meeting, 2004

"Introducing Reality into Process Control Classes", Henry and Zollars, ASEE Annual Meeting, 2005

"International Cooperation in control engineering education using remote laboratories", Henry and Schaedel, European Journal Of Engineering Education, 2005

"Real Labs at a Distance", Henry, AIChE Annual Meeting 2005.

"Expanding the Frontiers for Chemical Engineers in Green Engineering Education", Henry and others, IJEE, 2007 ASEE, Annual Meeting, 2006

AIChE Annual Meeting, 2006

ASEE, Annual Meeting, 2007

AIChE Annual Meeting, 2007

ASEE, Annual Meeting, 2008

"Remote vs Hands-on Labs," Henry, Miletic and DiBiasio, AIChE Annual Meeting, 2008

### **Scientific and Professional Society Memberships:**

American Society of Engineering Education  
American Institute of Chemical Engineers  
Tau Beta Pi  
Sigma Xi

**Honors and Awards:**

Fulbright Scholar, 1987-1988  
Outstanding UTC Engineering Faculty, 2001

**Institutional and Professional Service in the Last Five Years:**

College and University committees  
ASEE, Chemical Engineering Division, Director,  
Velsicol Chemical Community Advisory Panel,

**Professional Service in the Last Five Years:**

Director, Chemical Engineering Division, ASEE

**Professional Development Activities in the Last Five Years:**

UTC, Instructional Excellence Retreat, 2004

**Grants received in the Last Five Years:**

UTC, Faculty Development Grants, 2007 & 2008  
NATO, Science for Peace Grant, 2008-2009, \$30,000