

**Victor J. Law, Ph.D., P.E., FAIChE, FIChemE**  
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Chemical & Biomolecular Engineering Department  
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### **Position**

Professor of Chemical Engineering

### **Previous Positions**

Professor of Chemical Engineering, University of Limerick, Limerick, Ireland (7/98-6/00).  
Professor & Department Head, Computer Science Dept., Tulane Univ. (9/74 – 7/82).

### **Education**

B.S. Tulane University, 1960  
M.S. Tulane University, 1962  
Ph.D. Tulane University, 1963

### **Fields of Specialization**

Modeling and Evaluation of Environmental and Biogeochemical Systems  
Hydrogen Production Via Water Splitting Cycles  
Process Simulation, Design, Optimization and Control  
Mathematical Programming and Optimization Methodology  
Computer Applications in Education, Research & Industry

### **Professional History**

1988 - present: Professor of Chemical Engineering  
1998 – 2000: Professor of Chemical Engineering, University of Limerick (Ireland)  
(on leave from Tulane)  
1982 - 1988 Professor of Computer Science  
1979 - 1982: Head, Department of Computer Science  
1973 - 1979: Chairperson, Computer and Information Systems Program  
1970: Promoted to Professor of Chemical Engineering  
1966: Promoted to Associate Professor of Chemical Engineering  
1963: Assistant Professor of Chemical Engineering

### **Recent Refereed Publications**

Gonzales, Ross B., Victor J. Law and John C. Prindle, “Analysis of the hybrid copper oxide-copper sulfate cycle for the thermochemical splitting of water for hydrogen production.” **International Journal of Hydrogen Energy**, 34, 4179 – 4188 (2009).

Drakunov, Sergey V. and Victor J. Law, “Parameter Estimation Using Sliding Mode Observers: Application to the Monod Kinetic Model.” **Chemical Product and Process Modeling**, 2, Issue 3, Article 21 (2007).

Kesavan, P. and V. J. Law, "Practical identifiability of parameters in Monod kinetics and statistical analysis of residuals," **Biochemical Engineering Journal**, 24, 95 - 104 (2005).

Mitchell, B.S. and V. J. Law, "Community-Based Presentations in the Unit Operations Laboratory," **Chem. Eng. Ed.**, 39[2], 160-163(2005).

### **Reviewing Experience**

Reviewed proposals for European Union energy initiatives, Brussels, Belgium, 2000.

Reviewer for Computers in Chemical Engineering

Reviewer for International Journal of Hydrogen Energy

Reiviewer for Chemical Engineering Communications

### **Recent Sponsored Research**

Alternate Thermochemical Cycles for Producing Hydrogen, DOE via Argonne National Labs, Summer, 2006, \$44,000.

Experimental Studies of the Hydrogen Production Reaction in the Copper Sulfate Water Splitting Cycle Using Liquid Sulfur Dioxide, DOE via Argonne National Labs, October, 2006 – July, 2007, \$100,000

Advanced Electrochemical Technologies for Hydrogen Production by Alternative Thermochemical Cycles, DOE, October 1, 2007 – present, \$227,560.

Production and Utilization of Next Generation Fuels for Clean Power, DOE, October 1, 2008 – present, \$583,100.

### **Memberships**

Fellow, AIChE

Fellow, IChemE

Member, Tau Beta Pi

Member, Sigma Xi.

Registered Professional Engineer, State of Louisiana, No. 10961.

Chartered Engineer in UK and Europe, No. 20514794.

### **Honors and Awards**

Rykoski Scholarship (undergraduate)

Shell Fellowship (graduate)

Fellow, AIChE, 1999

Fellow, IChemE, 2000

Omega Chi Epsilon, R. V. Bailey Teacher of the Year Award, 2001

Louisiana Engineering Foundation Tulane Faculty Professionalism Award, 2003