

Ericson De Paula, Ph.D.

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Lecturer in Energy Systems at Rice University School of Engineering. 50 years of services in the electricity and oil industries in the Americas. Senior Manager and Board Member in several corporations. Authored books about energy and sustainable development in Latin America. Served on the faculty at the Rice University School of Engineering, University of Miami College of Engineering, University of Sao Paulo and Mackenzie University. Invited Lectures on Energy at : Maastricht University, Instituto Catalán, ETH – Swiss Federal Institute of Technology Zürich, Université de Paris X Nanterre, Universidad de Buenos Aires, Universidad Simón Bolívar, Escuela Superior de Administracion de Negocios del Chile, United States Military Academy of West Point , Universita di Firenze . Guest speaker in several conferences on energy in Africa, Asia, Australia, Latin America, U.S.A and Europe. Speaks Portuguese, English, French, Italian and Spanish. Competitive Triathlete.



Higher Education:

University of Miami, College of Engineering, 2010

Post Doctorate Level in Energy Systems Integration. Research Project : Energy Integration in Latin America : Past Experiences, Status Quo and Perspectives.

University of São Paulo, São Paulo, Brazil

Ph.D. in Energy Science & Engineering, 1996

Dissertation: Um Modelo de Integração Energética para a América Latina [An Energy Integration Model for Latin America] – Advisor: Dr. Jose Roberto Moreira

University of São Paulo Electrotechnics and Energy Institute

M.Sc. in Energy, 1993.

Getúlio Vargas Foundation, São Paulo, Brazil

Postgraduate Degree in Business Administration, 1977

Federal University of Uberlandia, Uberlandia, Brazil

B.S., Mechanical Engineering, 1972

Academic Experience:

2019 - Rice University George R. Brown School of Engineering

Lecturer in Energy Systems . Department of Chemical & Biomolecular Engineering. Professional Masters in Energy Systems Engineering & Management Program.

Courses : Energy Conversion & Application. Energy Systems and Sustainable Development.

Building partnerships in research and education with the industry.

2009– 2019 - University of Miami College of Engineering, Coral Gables, FL

Lecturer in Energy Systems . Department of Mechanical and Aerospace Engineering.

Courses taught : Energy Conversion & Application. Energy, Society & Environment. Energy & Sustainable Growth,

Assigned by the Dean to build partnerships with the industry in capstone projects.

2004-2008 University of Sao Paulo, School of Engineering

Professor of Energy Systems at PEA – Program of Energy and Automation

1997-2003 Mackenzie University School of Engineering, São Paulo, Brazil

Chair and Professor of Energy Systems – Department of Electrical Engineering

Invited Lectures on Energy, Society and the Environment:

São Paulo State University – Panel Discussion, 2006

University of Miami – Invited Lecture, 1998

Maastricht University – Invited Lecture, 2000

Instituto Catalán – Invited Lecture, 1999

ETH – Swiss Federal Institute of Technology Zürich – Invited Lecture, 2000

Université de Paris X Nanterre – “Economie et Politique d’Energie” – Invited Lecture, 1999

Universidad de Buenos Aires – Invited Lecture, 2003

Universidad Simón Bolívar – Invited Lecture , 2000

ESAN – Escuela Superior de Administracion de Negocios – Peru- Invited Speaker, 2002.

USMA United States Military Academy – West Point – NY-2019

Universita di Firenze, Italia – Dipartimento di Ingegneria Industriale - 2019

Guest speaker in several conferences on energy in Africa, Asia, Australia, Latin America, U.S.A and Europe.

Books and Monographs Published

De Paula, E. (2002). Energía para el desarrollo de América del Sur [Energy Development for South America]. São Paulo: Ed. Mackenzie. [210 pp. Spanish]

De Paula, E. (1998). A view of energy integration for Latin America. São Paulo: Ericson de Paula. [190 pp. English]

De Paula, E. (1997). Un modelo de integração energética para a América Latina. São Paulo: E. de Paula. [194 pp. Published in Portuguese, Spanish]

Zylbersztajn, David, & De Paula, Ericson de. (1993). A Integração Energética da América Latina Iniciando pelos Países do Mercosul: O Caso Argentina - Brasil. [Energy Integration in Latin America Beginning with the Mercosur Countries: The Case of Argentina – Brazil]. Biblioteca Digitais de Teses e Dissertações da USP. [Portuguese]

Papers and Research Reports Published

De Paula, E., Hill, M. (2015) . Ethanol from Sugar Cane: The Great Alternative Source of Energy. Excerpts from “After the Fall : Energy Security, Sustainable Development and the Environment” . University of Miami Conference . October , 2015 .

De Paula, E. (2012). Energy Integration in Latin America: Past Experiences, Status Quo and Perspectives. 2012 International Conference on Power and Energy Systems. Lecture Notes in Information Technology, 13.

World Bank (2002, 2004) PPIAF Project for Brazil Power Sector, Task 4, Strengthening of the Institutional and Regulatory Structure of the Brazilian Power Sector, report by Ashley Brown and Ericson De Paula.

Industrial Experience

2009 – Present - FIESP – The Federation of Industries of the State of São Paulo

Member, Board of Directors

2008- IAHE – International Association of Hydrogen Energy

Member, Board of Directors

2002-2007 IBDE – Brazilian Institute for Studies of Energy Law

President, Board of Directors

2002 – 2012 - American Chamber of Commerce

Member, Energy Committee

1997 -2009 - DCT Energia Consultores Associados Ltda.

Founder and CEO - International Energy Consultant

Principal Clients Included: AES Eletropaulo (Brazil/USA); Caterpillar (São Paulo);ABB Group (Switzerland); Harvard Electricity Policy Group (USA), ICF International (USA), LaGuardia Foundation (USA); NIFES Consulting (London); European Union Directorate General for Energy (Brussels)**; Petrobrás (Brazil); Pluspetrol (Argentina); OLADE (Ecuador); The World Bank (Washington); IDB – Inter-American Development Bank.

**Main Study: Institutional Cooperation with Latin American Countries

1983-1998 Companhia Energética de São Paulo (CESP) - São Paulo State Energy Company

1994-1997 Technical Chief Advisor to the President for a power generating company with 10,000 Megawatts of installed capacity. Duties included energy planning, regulatory and operational risk, financing, modeling and institutional analyses of the Latin American energy sector, technical and financial services for power projects.

1983-1993 Manager, Planning Department; Department of Construction. Managed engineering, construction and technical/financial management of hydroelectric power plant projects.

1979-1983 Jaakko Pöyry Engineering Company (Now Pöyry PLC)

Business Development Manager for a multinational consulting services organization operating in the energy, oil, gas and petrochemical industries.

1975-1979 Techint Engineering Company, S.A. (São Paulo)

Commercial & Sales Assistant to the Board of Directors for an international company operating in heavy construction services for the oil, gas, petrochemical, steel and energy sectors.

1973-1975 Industrias Villares, S.A. (São Paulo)

Sales Engineer for a manufacturer of electrical and mechanical heavy equipment.

1970-1973 Chicago Bridge & Iron Company

Construction Engineer for a heavy equipment construction and assembly services firm serving the oil and gas sectors.

References

T. Nejat Veziroglu, Ph.D. – International Association of Hydrogen Energy– veziroglu@iahe.org

Carlos Kawall – SAFRA Chief Economist 55 11 31757969

José Goldemberg - Former Minister of Environment- São Paulo University- 55 11 30915053

Jorge Arias - Argentine Association of Graduates in Energy-54 1 4312 0963

Ashley Brown – Harvard Electricity Policy Group – (617) 495-0959.

James Tien – University of Miami College of Engineering Former Dean – 305 7980011

Luiz Amoroso – Lalcam-MA Eng Serv Ltda - 55 11 9 7170.8900

Walter Chapman – RICE University - (713)-348-4900