

# JOSE FERNANDO PRADA

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## EDUCATION

**Carnegie Mellon University**, Pittsburgh, PA  
Ph.D. Candidate, Engineering and Public Policy Febr. 2014

**Massachusetts Institute of Technology**, Cambridge, MA  
Master of Science in Technology and Policy May 1999  
Master of Science in Electrical Engineering May 1999

**National University of Colombia**, Medellin, Colombia July 1991  
Bachelor of Science in Electrical Engineering

## RELEVANT EXPERIENCE

**KEMA Inc**, Energy Consulting, Bogotá, Colombia  
*Associate Consultant* Sept.2003 – July 2012  
Managed and coordinated projects of Kema's Regulation and Markets division in Latin America.  
Participated in the development of strategic, regulatory and technical aspects in energy consulting projects.

**CREG National Energy Regulatory Commission**, Bogota, Colombia  
*Full-Time Principal Advisor* April 2000 – August 2003  
Worked on the analysis and development of economic and technical regulations for the electric power and gas sectors in Colombia. Designed market-based and administrative mechanisms to promote competition and to ensure the quality and efficiency in the provision of electricity and gas public utility services.

**COLCIENCIAS National Agency of Science and Technology**, Bogota, Colombia Dec.1999 – Mar.2000  
*Head of the Energy and Mining National Research Program*  
Coordinated activities of national foresight and policy definition in science and technology for the energy and mining sectors. Developed strategic research areas, evaluated and supervised research projects.

## PAPERS

"*Making the Case for Interregional Transmission Projects: Evaluation of Benefits and Allocation of Costs*", J.F. Prada and M. Ilic, 33rd USAEE/IAEE North American Conference, Pittsburgh, USA, October 2015.

"*Locational Allocation and Pricing of Responsive Contingency Reserves*", J.F. Prada and M. Ilic, IEEE Power & Energy Society General Meeting, Denver, USA, July 2015.

"*Performance Benchmarking of Caribbean Utilities*", J.F. Prada, R.Verlaan and V. Poyotte, CIRED 18<sup>a</sup> International Conference, Turin, Italy, June 2005.

"*The Regional Electricity Market of Central America*", J.F. Prada, D. Bowman, K. Petrov, E. Calderón, R. Ríos and P. Corredor, CIGRE 2004 Session, Paris, France, September 2004.

"*The Value of Reliability in Power Systems: Pricing Operating Reserves*", MIT Laboratory for the Energy and the Environment, Working Paper EL 99-005 WP, July 1999.

"*Pricing Reliability: A Probabilistic Approach*", J.F.Prada and Marija Ilic, Proceedings of the 1999 Large Engineering Systems Conference on Power Engineering, Halifax, Canada, June 1999.

## GRADUATE COURSES

Electric Systems Engineering and Economics	Theory and Practice of Policy Analysis
Smart Grids and Future Energy Systems	Quantitative Methods for Policy Analysis
Electricity Markets Restructuring	Applied Policy Analysis
Optimization in Energy Networks	Probability & Statistics
Large Dynamic Systems	Regression Analysis
Numerical Methods for Engineering	Energy Policy & Economics
Power Electronics	Finance for Innovation Management
Dynamic Programming	Microeconomics

## LANGUAGES

English, Spanish, Italian

## OTHER

Member IEEE Power and Energy Society (IEEE PES)  
Member US Association for Energy Economics (USAEE)