

Keith Eubanks

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- Education** **Massachusetts Institute of Technology** **Cambridge, MA**
Master of Science in Technology and Policy, May 1994. GPA: 4.8/5.0
Thesis: “Public and Regulatory Dynamics within the Nuclear Power Industry”
- Georgia Institute of Technology** **Atlanta, GA**
Bachelor of Mechanical Engineering, June 1985. GPA: 3.7/4.0
- Work Experience** **Dynamic Forecasting** **Arlington, MA**
2005 - Present
Working as an independent consultant under the name of Dynamic Forecasting. Engagements focus on the dynamic analysis of business performance and market behavior in helping clients to develop firm strategy and/or market forecasts. The energy sector is a primary focus. Developing markets and cyclic markets are also areas of focus. Currently working with the Project on Innovation in Markets and Organizations (PIMO) at MIT to develop simulation tools for teaching MBA level strategy. Work focuses on strategic choices of firms in an evolving competitive market place. Expert in the field of System Dynamics, a quantitative modeling and simulation technique that applies concepts from feedback control theory to better understand the behavior and performance of complex systems.
- Created and maintain a dynamic model of the US natural gas market and currently publish a dynamic analysis of US natural gas prices at Henry Hub.. <http://www.dynamicforecasting.com/>
- 1994 – 2005 **PA Consulting Group** **Cambridge, MA**
Developed, managed and operated consulting engagements focused on strategy analysis, market forecasting, and project management. Consulting services were based on quantitative modeling and simulation analysis within the Decision Science Practice of PA (formerly known as Pugh-Roberts Associates). Assignments spanned a wide range of industries, including energy, telephony, mining/metals, aerospace and automotive. Deliverables ranged from developing client strategies for success in evolving or cyclic markets, forecasting market behavior including boom bust cycles, and assessing delay and disruption on multi-million dollar development projects. Started at PA as a Consultant, then progressed to Principle Consultant and reached the level of Managing Consultant in 2000. Also designed and directed the development of the simulation software package Jitia, that PA uses for system dynamics simulation modeling.
- 1990 – 1993 **Independent Contractor** **Atlanta, GA**
Independently contracted engineering assignments with Southern Nuclear, Electric Power Research Institute (EPRI), Wyle Laboratories, and Movats, Inc. Projects primarily focused on the assessment and implementation of Nuclear Regulatory Agency (NRC) regulations. Activities included developing work procedures, assessing the regulatory effectiveness of utility projects, and performing non-destructive testing of fluid control systems.
- 1986 – 1990 **Movats, Incorporated** **Atlanta, GA**
Movats, Inc. (now a division of Crane Valve, Inc.) provides testing equipment and engineering services within the electric power industry. Final position was as a project manager, responsible for staffing and supporting site projects, providing technical assistance to customers and technical support for sales. Prior positions included: project engineer -- managing engineers and craft personnel on various outage projects at nuclear power facilities and field engineer -- performing non-destructive testing and inspections of fluid control systems, primarily at nuclear power plants.
- Teaching/Research** **Massachusetts Institute of Technology** **Cambridge, MA**
Research Assistant: 1993-1994 -- worked with Professor Kent Hansen on energy policy studies. *Teaching Assistant*: 1992–1993 -- for graduate level course titled “Engineering Systems Analysis” and for a senior level course titled “Environmental Control Technology”.
- Georgia Institute of Technology** **Atlanta, GA**
Teaching Assistant: 1984-1985 -- for junior level courses in Thermodynamics and Fluid Dynamics. Hired to proof problems in Statics and Dynamics texts written by Dr. David McGill, and tutored freshman calculus and physics in a program sponsored by the School of Engineering.
- Interests** Woodworking, Hiking, Whitewater Paddling, Cross-Country Skiing, and Reading.