Max Henrion

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Presenting on:

Open-Source Policy Modeling

February 8th, 2011
12 noon
(Lunch served at 11:50 am)

129 Baker Conference Room
Department of Enginering and Public Policy

Seminar Abstract: I've argued that all policy models used to evaluate or justify public policies should be open source, so that anyone interested can review the assumptions and explore the implications of changing them. I will illustrate the approach with ATEAM (Analytica Transportation Energy Assessment Model) recently developed by Lumina (with Costa Samaras) for PNNL and DOE. ATEAM lets you explore the effect of new vehicle technologies, including biofuels, plug-in hybrids, fuel cells, and light-weighting on the future of the US light vehicle fleet. It projects market share as a function of relative costs and availability of technologies and is designed to make it easy to explore and compare scenarios, and sensitivities to assumptions.

I will also briefly present MegaJoule.org, a proposed new wiki for sharing energy estimates, and discuss goals and concepts and explore collaboration with the EPP and CMU Climate Decision Center.

Speaker Bio: Max Henrion has 30 years experience as a researcher, educator, software designer, consultant, and entrepreneur, specializing in the design and effective use of decision technologies. He is the Founder and CEO of Lumina Decision Systems, which develops and publishes decision software and provides consulting and training in decision analysis. He is the originator of Lumina's flagship product line, Analytica. He has led teams that have created decision-support tools in a wide variety of applications, including environment and energy, R&D management, healthcare, telecommunications, aerospace, security, and consumer choice. He is Adjunct Professor at Carnegie Mellon University, where he was previously Associate Professor in the Departments of Engineering and Public Policy, and Social and Decision Science. He has an MA in Natural Sciences from Cambridge University, Master of Design from the Royal College of Art, London, and a PhD from Carnegie Mellon.

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