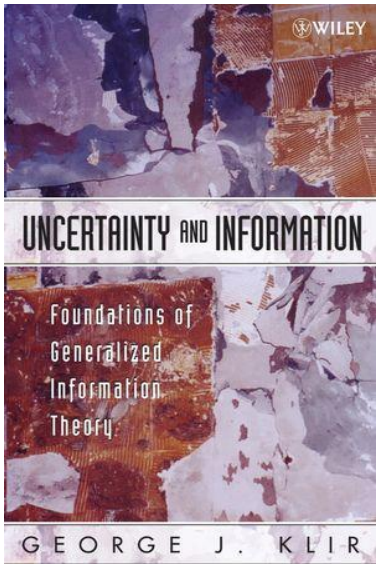
INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

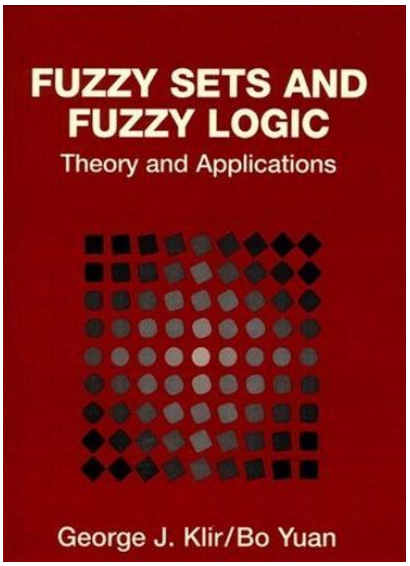
Mezinárodní centrum pro informaci a neurčitost Vás zve na seminář

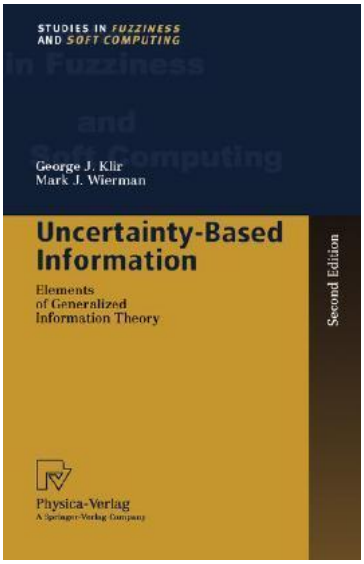
Prof. George J. Klir

State University of New York at Binghamton, USA

POSSIBILISTIC INFORMATION: A Tutorial







4. 10. 2011 v 15:00-16:30, učebna 2.006 na Přírodovědecké fakultě UP v Olomouci, ul. 17. listopadu 12 (radim.belohlavek@acm.org).

Název projektu: Mezinárodní centrum pro informaci a neurčitost
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Projekt je spolufinancován Evropským sociálním fondem a státním rozpočtem České republiky.

Prof. George J. Klir – Biographical information

GEORGE J. KLIR was born in Prague, Czechoslovakia, in 1932, immigrated to the USA in 1966. He received M.S. Degree (Summa Cum Laude) in Electrical Engineering from the Czech Technical University in Prague in 1957 and Ph.D. degree in Computer Engineering from the Czechoslovak Academy of Sciences in 1964.

He began his professional career in 1960 at the Institute for Computer Research in Prague. After immigrating to the United States in 1966, he held academic positions at UCLA (1966-68), Fairleigh Dickinson University (1968-69), and the State University of New York at Binghamton (1969-2008), where he served as Chairman of the Department of Systems Science (1978-94) and Director of the Center for Intelligent Systems (1994-2000). He retired in 2008. He has also worked part time for IBM, Sandia Laboratories, Bell Laboratories, and Canadian Government, and taught summer courses at the University of Colorado, Portland State University in Oregon, and Rutgers University. He was a Fellow at the Netherlands Institute for Advanced Studies during the academic years 1975-1976 and 1982-1983, and a Fellow of the Japan Society for the Promotion of Science in 1980.

During the earlier stages of his professional career, Dr. Klir conducted research in the areas of systems theory, systems modeling and simulation, computer architecture and design, and discrete mathematics. His current research interests include the areas of generalized theories of uncertainty and information (including the various theories of imprecise probabilities), soft computing, fuzzy set theory and fuzzy logic, and generalized measure theory. He supervised 32 completed doctoral dissertations, five of which received Outstanding Dissertation Awards. He is the author of well over three hundred research papers, holds a number of patents, and is an author or co-author of 19 books, among them Cybernetic Modelling (Van Nostrand, 1967), Methodology of Switching Circuits (Van Nostrand, 1972), Architecture of Systems Problem Solving (Plenum Press, 1985), Fuzzy Sets, Uncertainty, and Information (Prentice Hall, 1988), Facets of Systems Science (Plenum Press, 1991), Fuzzy Measure Theory (Plenum Press, 1992), Fuzzy Sets and Fuzzy Logic: (Prentice Hall, 1995), Uncertainty-Based Information (Springer-Verlag, 1998), Uncertainty and Information (John Wiley, 2006, Book of the Year Award), and Generalized Measure Theory (Springer, 2008). Some of his books and papers were translated into foreign languages: Spanish, German, Japanese, Chinese, Russian, Polish, and Czech.

Dr. Klir has been Editor-in-Chief of the International Journal of General Systems (Taylor & Francis) since 1974 and the International Book Series on Systems Science and Engineering (Springer) since 1985. He is a member of Editorial Boards of 21 journals. He was President of the Society for General Systems Research (SGSR) in 1981-82, the founding President of the International Federation for Systems Research (IFSR) in 1980-84, President of the North American Fuzzy Information Processing Society (NAFIPS) in 1988-1991, and President of the International Fuzzy Systems Association (IFSA) in 1993-1995. He has received numerous awards and honors, including six honorary doctoral degrees, the Gold Medal of Bernard Bolzano in Mathematical Sciences, Lotfi A. Zadeh Best Paper Award, Award from the Netherlands Society for Systems Research for advancing general systems research, the Kaufmann's Gold Medal Prize for excellence in uncertainty research, SUNY Chancellor's Award for excellence in scholarship and creative activities, or the IEEE Fuzzy System Pioneer award for "pioneering research in fuzzy set theory, fuzzy systems, fuzzy measure theory, and generalized information theory". He is Life Fellow of IEEE, the Netherlands Institute for Advanced Studies, and IFSA. His biography is included in many biographical sources. His research have been supported for more than 20 years by grants from NSF, ONR, Air Force, NASA, NATO, Canadian Government, Sandia Laboratories, and some industries.