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Prof. Dr. Hans-Jakob Lüthi
Professor for Operations Research at ETH Zurich

In August 93 Hans-Jakob Lüthi joined the faculty of ETH as professor for operations research and became director of the Institute for Operations Research at the ETH Zurich.

He is one of the founding members of RiskLab, an inter-university research institute, concentrating on pre-competitive, applied research in the general area of (integrated) risk management for finance and insurance. The laboratory, founded in 1994 as a virtual research cooperation, was reorganized in 1999 as a new competence center of ETHZ within the department of mathematics.

Hans-Jakob Lüthi, born 14th of October 1946, studied mathematics at the ETH Zurich. After the diploma he was awarded a grant for postgraduate studies at the Rensselaer Polytechnic Institute, Troy NY. Here he began to work under the supervision of Prof. Carl Lemke at his Ph.D. thesis in the area of nonlinear complementarity theory, and he obtained his doctorate degree from the ETH in 1973. This thesis was awarded the silver medal of the ETH.

In 1976 he received a visiting professorship at the Pontificia Universidade Católica, Rio de Janeiro where he finished his habilitation thesis to become a lecturer of operations research at the ETH Zürich in 1977. In 1982-83 he spent an academic year as guest professor at RPI, Troy NY and as a visiting scientist at MIT's center of operations research. Then, in 1987 he founded the consulting firm Lüthi, Mandl & Partner AG, providing services in the area of information and organizational engineering.

His main research areas are in the design of mathematical models for industrial and economical applications in particular in the broader domain of risk management. In particular, the institute's core competences include a methodology for the design of intelligent decision support in operational and financial engineering domains. Herein enclosed are methods for describing and analyzing processes in its structural and dynamic complexity and integrating

mathematical models for supporting planning and operational tasks in a dynamic environment.