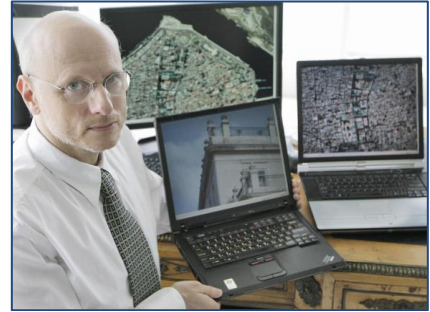


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Summary of Achievements

The inaugural Outstanding University Professor

Professor of Computer Science

Director, [FIU High Performance Database Research Center](#)

Director, [NASA Regional Applications Center in Miami](#)

Director, [NSF FIU-FAU-Dubna Industry/University Cooperative Research Center for Advanced Knowledge Enablement](#)

Director, [NSF Center of Research Excellence in Science and Technology at FIU](#)

Director, [Health Information Technology Initiative](#)

Experience

Dr. Rische is the Author of [3 books](#) on database design and geography; Editor of [5 books](#) on database management and high performance computing; Inventor of [4 U.S. patents](#) on database querying, semantic database performance, Internet data extraction, and computer medicine; Author of [300 papers](#) in journals and proceedings on databases, software engineering, Geographic Information Systems, Internet, and life sciences; Awardee of over [\\$40 million in research grants](#) by Government and Industry, including NASA, NSF, IBM, DoI, USGS; Architect of major industrial projects -- both prior to his academic career, and as a consultant since; Founder and Director of the High Performance Database Research Center at FIU ([HPDRC](#)); Director of the NSF Center for Research Excellence in Science and Technology at FIU ([CREST](#)) and of the NSF International FIU-FAU-Dubna Industry-University Cooperative Research Center for Advanced Knowledge Enablement ([IUCRC](#)); Mentor of 70 postdocs, PhDs and MS; the inaugural FIU Outstanding University Professor. Rische's [TerraFly](#) project has been extensively covered by worldwide press, including the *New York Times*, *USA Today*, NPR, *Science* and *Nature* journals, and *FOX TV* News.

Principal Projects:

- [TerraFly -- a 40 TB database of aerial imagery and Web-based GIS](#)
- [Semantic Wrapper of Relational Databases and Application of SQL for Concise Semantic Querying](#)
- [Semantic Database Management](#)
- [Medical Informatics](#)