

The Future of RSKT

# Rough Sets, Knowledge Technology & Granular Computing

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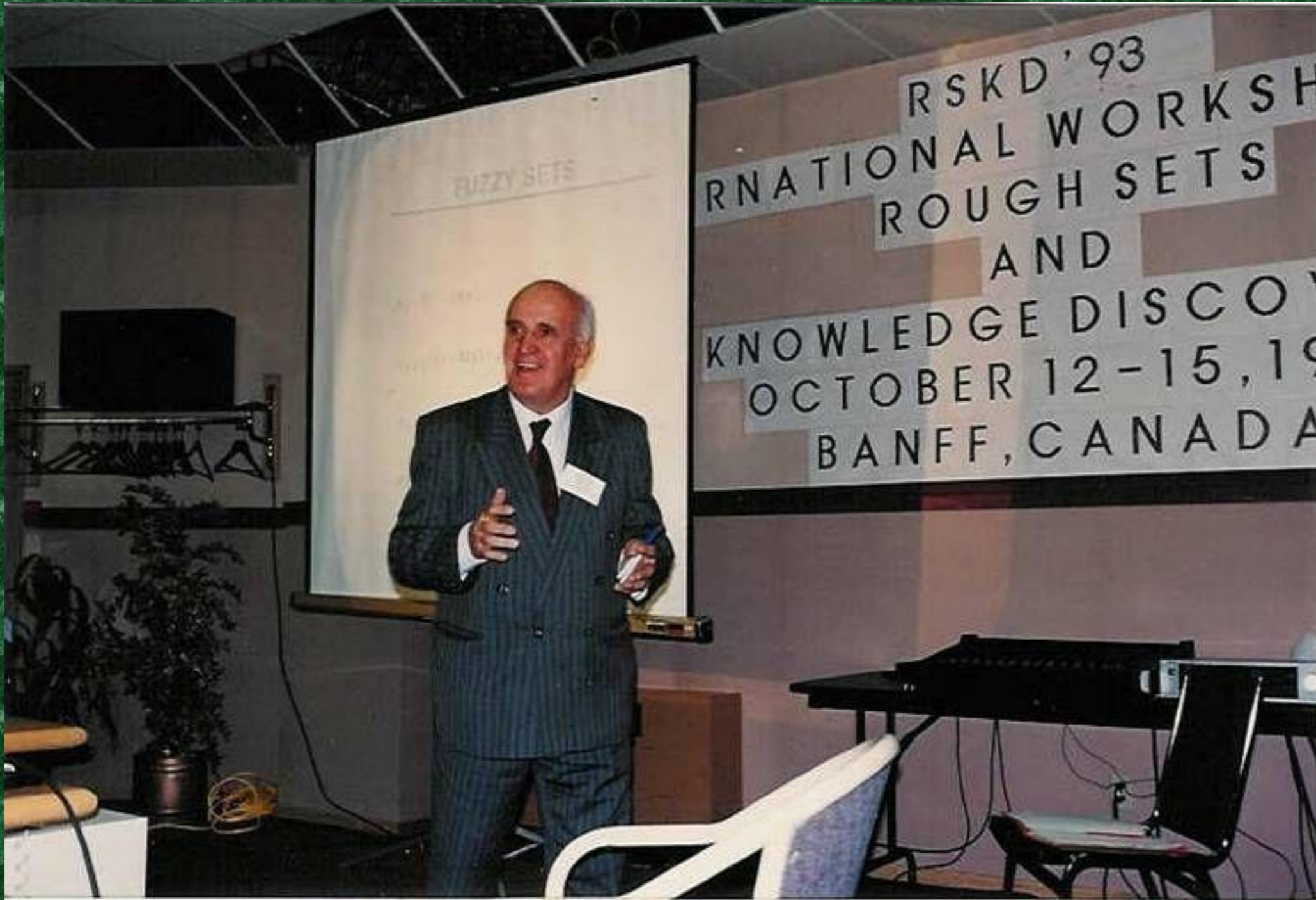
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# RSKT Future





# RSKT Future

- OUR effort
- Work/collaborate with other groups
- Applications

# RS Future

- Rough Sets Extensions.
- Hybrid Rough Sets.
- Rough Set Applications.

# Probabilistic Rough Sets

- Decision-theoretical Rough Sets.
- Game-theoretical Rough Sets.
  - Games to achieve better rules
  - Games to limit consequences of "wrong" classifications



# KT Future

- Knowledge, not the Technology Matters
  - In the industrial age, workers supported the machines (technology).
  - In the information age, technology supports the knowledge worker.
  - Knowledge is the one crucial resource for the success of a modern organization.
  - What we do is to provide the right information to the right person, at the right time, in the right format to help the worker make a good decision.

# One of the Possible Solutions

- It is impossible to develop a fully automated computer system.
- More practical substitute systems
  - Decision support systems (DSS)
  - Computer aided software engineering (CASE)
  - Computer aided design (CAD)
- **Web-based Support Systems**
  - J. T. Yao (Ed.), *Web-based Support Systems*, London: Springer, 2010, ISBN: 978-1-84882-627-4



# GrC Future

- J. T. Yao (Ed.)
- Novel Developments in Granular Computing: Applications for Advanced Human Reasoning and Soft Computation
- Hershey, PA: IGI Global, 2010
- ISBN: 978-1-60566-324-1



# GrC Future

- Advanced Granular Computing
- Rough Sets
- Fuzzy Sets
- Artificial Intelligence
- Multiple view/aspect/level
- Learning

# RSKT Future

- The future is OURS