The Future of RSKT

Rough Sets, Knowledge Technology & Granular Computing

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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
• 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
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