Call For PapersInternational Forum on Theory of Granular Computing from Rough Set Perspective Nanchang in ChinaJuly 20-22, 2006Sponsored by Nanchang Institute of Technology Granular computing (GrC) is a general computation theory for effectively using granules such as classes, clusters, subsets, groups and intervals to build an efficient computational model for complex applications with huge amounts of data, information and knowledge. Though the label is relatively recent, the basic notions and principles of granular computing, under different names, have appeared in many related fields, such as information hiding in programming, granularity in artificial intelligence, divide and conquer in theoretical computer science, interval computing, cluster analysis, fuzzy and rough set theories, neursophic computing, quotient space theory, belief functions, machine learning, database, and many others. In past few years, we have witnessed a renewed and fast growing interest in GrC. Granular computing has begun to play important roles in bioinformatics, e-business, security, data mining, high-performance computing, and wireless mobile, computing in terms of efficiency, effectiveness, robustness, and uncertainty. These researches are effective results of Rough Set studying in recent years. So, Granular Computing should be the perspective of Rough Set development.
The 2006 international forum on theory of granular computing (IFTGrC2006) will be held at Nanchang Institute of Technology, Nanchang in China. The forum will provide researchers and practitioners a platform to explore the theory and methodologies of granular computing and to develop wide range of applications, such as data mining, soft computing, bioinformatics, e-intelligence, security, distributed computing, quantum computing and etc.

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Aim and Scope

Granular computing

Applications of Granular Computing Theory and methodologies of Granular Computing

Quantum computing Rough

set theory and applications
Rough Set Prospective Fuzzy set theory and applications
Bioinformatics Knowledge discovery and data mining
Machine learningApproximate and uncertainty reasoning Computing with words Complexity aspects of Granular computing
Computational intelligenceDecision support systems
Evolutionary computingHybrid and integrated intelligent systems
Intelligent information systemsLogical aspects of soft computing Multi-agent systemsPattern recognition and image processing
Neural networks
Non-classical logic
Spatial reasoning

Paper Submission:
Both research and application papers are solicited. All submitted papers will be reviewed on the basis of technical quality, relevance, significance, and clarity. Please send a PDF version of your paper by May 31, 2006, via the conference email address:ftgrcrsp2006@nit.edu.cn .

Paper Publication :
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The proceedings of Forum on Theory of Granular Computing from Rough Set Prospectiveby Journal of Nanchang Institute of Technology(Formal), Nanchang · The Book: <<The Theory of Granular Computing ——from Rough Set Prospective>> by Science Press, Beijing. · The Proceedings of IEEE GrC2007 by the IEEE Computational Intelligence Society.
Registration:
The registration will decided by
paper
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Such as
, published in Journal,
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Registration by the IEEE Computational Intelligence Society
Important Dates
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Full paper submission: May 31, 2006Acceptance notices: June 15, 2006Camera-ready papers: June 30, 2006
Conference:
July 20
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22

, 2006