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Organizing Committee

Chair - Rocha, João

Program Committee

Chair - Vale, Zita
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 Alves, Victor
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 Arai, Tamio
 Barata, Manuel
 Barruncho, Luis
 Bergamaschi, Sonia
 Campos, Pedro
 Cavaliere, Sergio
 Coelho, Helder
 Cortez, Paulo
 Costa, Manuel
 Cunha, José Macedo
 David, Gabriel
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 Durkin, John
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 Fierbinteanu, Cristina
 Grant, Tim
 Hao, Jin- Kao
 Henriques, Pedro
 Jensen, Finn
 Kendall, Graham
 Kokol, Peter
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 Liu, Chen- Ching
 Machado, José
 Machado, José Tenreiro
 Madeira, Henrique
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 Maedche, Alexander
 Marques, Albino
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 Mouta, Fernando
 Neves, José
 Novais, Paulo
 Oliveira, João
 Pereira, Luis Moniz
 Pita, Helder
 Power, Daniel
 Ramos, Carlos
 Rocha, João
 Rodrigues, Fátima
 Santos, Manuel
 Santos, Maribel Yasmin
 Soares, Lucas
 Sousa, Jorge Pinho
 Sousa, Paulo
 Staab, Steffen
 Tavares, José
 Timóteo, José
 Verden, Andrew
 Whinston, Andrew

Important Dates

28 November 2003

Intentions to organize Special Sessions, Tutorials and Workshops
 Submission of Extended Abstracts (3 pages)

16 January 2004

Submission of Full Papers (8 pages)

ICKEDS'04 is the *First International Conference on Knowledge Engineering and Decision Support* to be held in Porto (Portugal) from July, 19th to 23rd, 2004.

The main goal of ICKEDS'04 is to bring together researchers, developers and users familiar with *Knowledge and Decision Technologies and Management* in order to discuss the benefits of these sciences in a new *Knowledge Society* where the importance of decisions make the difference.

From the technological point of view ICKEDS'04 will join people from several areas like *Artificial Intelligence, Operational Research, Simulation, Decision Support Systems and Knowledge-based Systems*. From the management perspective, several areas will be involved, like *Knowledge Management, Decision Making, Negotiation, Argumentation, Conflict Resolution and Business Intelligence*.

Papers (8 pages) or Extended Abstracts (3 pages) can be submitted in the following areas:

Technologies	Management	Application Areas
<ul style="list-style-type: none"> • Optimization • Soft Computing • Constraint Satisfaction • Knowledge-based Systems • Knowledge Discovery • Intelligent Agents • Multi-Agent Systems • Knowledge Representation • Ontologies • Intelligent Tutoring Systems • Decision Support Systems • Executive Information Systems • Data Warehouses, OLAP • Natural Language • Other technologies 	<ul style="list-style-type: none"> • Business Intelligence • Decision Making • Negotiation • Group Decision Making • Argumentation • Social and Organizational Aspects • Knowledge Management • Conflict Resolution • Other Management topics 	<ul style="list-style-type: none"> • Manufacturing • Power Systems • Services • Electronic Commerce • Electronics • Internet and WWW • Robotics and Automation • Environment • Aerospace • Medicine • Agriculture • Transport • Other application areas
	<h4>Type of Problems</h4> <ul style="list-style-type: none"> • Design • Planning and Scheduling • Monitoring • Diagnosis and Error Recovery • Clustering • Classification • Forecasting • Decision Making • Action • Other types of problems 	

Special Sessions

Special Sessions are welcome. Organizers of these sessions will chair them. To organize a Special Session it is necessary to send the proposed title for the session and a list of four papers. These papers must be submitted and reviewed by the normal procedure; the special session organizer will be informed of all the on-going process.

Workshops and Tutorials

Workshops and Tutorial are also welcome. Organizers of Tutorials and Workshops should send a proposal with the Tutorials or Workshops title, brief description of the objectives, list of speakers and tentative presentations titles.

Publication in Journals

A selection of some ICKEDS'04 papers will be published in a *Special Issue of the Journal of Engineering Intelligent Systems*.