CALL FOR PAPERS FOR

THE INTELLIGENT SYSTEMS AND SOFT COMPUTING MINITRACK

PART OF THE DECISION TECHNOLOGIES FOR MANAGEMENT TRACK

Thirty-eighth Annual
HAWAI'I INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES

January 3 - 6, 2005
Hilton Waikoloa Village Resort
on the Big Island of Hawaii

Additional detail may be found on HICSS primary web site:
http://www.hicss.hawaii.edu

Mirror sites: http://hicss.sepa.tudelft.nl/ and http://www.is.cityu.edu.hk/hicss/

AGENT TECHNOLOGY, INTELLIGENT SYSTEMS AND SOFT COMPUTING

This mini-track is focused on the theory and applications of agent technology, intelligent systems and soft computing in management and management support technology.

This includes (but is not limited to) processes of (i) problem solving, (ii) planning and (iii) decision making, in contexts which range from (iv) strategic management, (v) foresight and scenario planning and (vi) e-business, to (vii) production, (viii) marketing and (ix) financial management, and to (x) smarter IS applications for operational management.

The methodologies used may be analysis or systems oriented, they may be actions research or case based, or they may be experimentally or empirically focused. Studies are favoured, which combine good theoretical results with careful empirical verifications, or good empirical problem
solving with innovative theory building. A common denominator for all studies should be the
design and use of intelligent, agent and/or soft computing systems.

*Soft computing* includes research on fuzzy logic, artificial neural nets, genetic algorithms and
probabilistic modelling.

*Intelligent systems* include the following categories of systems:

- Knowledge based systems and expert systems
- Software agents and multi-agent systems
- Multiple criteria optimisation and support systems
- Genetic algorithms
- Artificial neural nets and self-organising maps
- Innovative and active DSS
- Smart MS Office & Windows designs

The design, development, building and implementation of intelligent systems in management is
aimed at improving the productivity of working time for both individuals, teams and groups of
knowledge workers and managers.

**IMPORTANT DEADLINES**

**March 31, 2004** Authors contact Minitrack Chairs for guidance and indication of
appropriate content. (Optional)

**June 15, 2004** Authors submit full papers to the appropriate Minitrack following format
and submission instructions on the web site.

**August 15, 2004** Minitrack Chairs send Acceptance/Rejection notices to Authors.

**October 1, 2004** Authors submit Final Version of paper electronically to publisher. At
least one author of each paper must register by this date to attend the
conference to present the paper.

**December 1, 2004** Deadline to guarantee your hotel room reservation at the conference rate.

**INSTRUCTIONS FOR PAPER SUBMISSION**

- HICSS papers must contain original material not previously published, or currently submitted
elsewhere.
• Consult the conference website for the listing and description of Minitracks for HICSS-38.

• (optional) Contact the Minitrack Chair(s) by email for guidance and verification of appropriate content.

• Do not submit the manuscript to more than one Minitrack Chair. If unsure of which Minitrack is appropriate, submit abstract to the Track Chair for guidance.

• Submit your full paper according to the detailed formatting and submission instructions found on the HICSS website. Note: All papers will be submitted in double column publication format and limited to 10 pages including diagrams and references.

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