

## Call for Papers

# Special Section on Knowledge-Based Software Engineering

The Institute of Electronics, Information and Communication Engineers (IEICE) Transactions on Information and Systems announces a forthcoming special section on "Knowledge-Based Software Engineering" to be published in **April 2008**. The objective of this special section is to publish and overview recent progress in the interdisciplinary area of Artificial Intelligence and Software Engineering. This special section will include papers based on the presentation at Joint Conference on Knowledge-Based Software Engineering 2006 and papers applied for this call for papers. All submitted papers are subjected to the same review process as those papers accepted for publication in the regular issues.

### 1. Topics of interests include, but are not limited to:

- Ontology
- Web Service
- Intelligent Agent
- Intelligent User Interface
- Machine Learning and Data Mining
- Knowledge-based Methods/Tools for Software Engineering
- Knowledge-based Requirements Engineering, Domain Analysis and Modeling
- Software Modeling, Testing, Maintenance, Evolution, Verification and Validation
- Automating Software Design and Synthesis
- Program Understanding
- Knowledge Management for Business Process, Workflow and Enterprise Modeling
- Process/Project Management
- Decision Support Methods for Software Engineering

### 2. Guideline for paper submission:

- a. In preparing the manuscript, authors should be subjected to the Information for Authors on IEICE Transactions, which describes the standard format of papers. Information for Authors is available through WWW page <http://www.ieice.org/eng/shiori/>.
- b. Submit a paper using the IEICE Web site [https://review.ieice.org/regist\\_e.aspx](https://review.ieice.org/regist_e.aspx) by **June 30, 2007**. The acceptable format of the file is PDF file. Authors should choose the "[Special-ED] Knowledge-Based Software Engineering" as a "Type of Issue (Section)/Transactions" on the online screen. Do not choose "[Regular-ED] Information and Systems" or other special sections.
- c. Send "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" to the following contact person by postal mail (NOT by FAX or E-mail) until July 3, 2007. Please do not forget to send "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration". We cannot start the review process without them, even if we receive the manuscript.

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- d. It is recommended that the paper does not exceed 8 printed pages. If it exceeds this limit, extra fee will be charged.
- e. All authors, including authors of invited papers, are requested to pay for the page charges that cover a part of the publication cost. The page charges help cover the substantial cost of editing and publishing the IEICE Transactions. Peer review of your manuscript is provided as a service. Authors are entitled to 100 free reprints of their published articles.
- f. Please be advised that in the case that a large number of papers are accepted for publications, a portion of these papers may be published in another issue of the journal.

### 3. Editorial Board:

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**[IMPORTANT NOTICE]** At least one of the authors must be an IEICE member when the manuscript is submitted for review. Invited papers are an exception.

We recommend that authors unaffiliated with IEICE apply for membership. For membership applications, please visit the following web page: <http://www.ieice.org/eng/member/OM-appli.html>