

# K E S T

*Knowledge Economy meets Science and Technology*

**FIRST CALL FOR PAPERS**

**Second International Conference on  
Knowledge Economy and Development of Science and Technology  
"Knowledge Economy meets Science and Technology"  
(KEST 2004)**

<http://www.paperdyne.de/kest04.html>

Beijing, China  
September 17-20, 2004

**ORGANIZED BY**

Institute of Computing Technology, Chinese Academy of Sciences (CAS)  
Institute of Knowledge Economy, Tokyo

**SPONSORED BY**

China Computer Federation  
National Natural Science Foundation of China

**IN COOPERATION WITH**

IEEE Computer Society Beijing Center

## **GENERAL INFORMATION**

The Second International Conference on Knowledge Economy and Development of Science and Technology (KEST 2004) will be held in Beijing, China, on September 17 through 20, 2004. The conference brings together researchers from academy and industry, software developers, policy-makers, and businessmen, offering them invaluable occasions of meetings to exchange research achievements and share thoughts related to the upcoming Knowledge Society and Economy. The conference consists of five parallel tracks, and each of them focuses on a special theme related to some aspect of knowledge economy and development of science and technology.

## **KEYNOTE SPEAKERS**

- \* Nicola Guarino (National Research Council of Italy):  
"Helping people understanding each other (and recognizing their disagreements): the role of formal ontology"
- \* Douglas Lenat (Cycorp):  
"Progress in Cyc"
- \* Yahiko Kambayashi (Kyoto University):  
"Knowledge discovery from Web and its applications to geographic databases"

- \* Ruqian Lu (Chinese Academy of Sciences):  
"Some advanced issues in knowledge science"
- \* Riichiro Mizoguchi (Osaka University):  
"e-Learning, semantic web and ontology"
- \* Lotfi Zadeh (University of California, Berkeley):  
"World knowledge and its basic role in Web intelligence"

## **PARALLEL TRACKS**

The conference consists of five parallel tracks, and each track lists a few research topics. These listings are of course not exhaustive, and authors are encouraged to propose and write on relevant topics.

### Track 1: Fundamental Issues in Knowledge Science

- \* Basic Issues in Knowledge Design
- \* Basic Models and Issues in Knowledge Management
- \* Formal Ontologies
- \* Knowledge Analysis
- \* Mathematical Theory of Knowledge
- \* Philosophy and Knowledge
- \* Principles of Knowledge Representation

### Track 2: Content Engineering

- \* Commonsense Knowledge Acquisition
- \* Content Management and Maintenance
- \* Content Metadata Standards and Interoperability
- \* Engineering Ontologies
- \* Multimedia Content Acquisition
- \* Knowledge Acquisition from Text
- \* Knowledge Discovery in Database
- \* Ontology Learning
- \* Technologies for Information and Knowledge Design

### Track 3: Human-Computer/Web Interaction

- \* Analysis and Design Methods
- \* Non-verbal Interfaces
- \* Speech and Natural Language Interfaces
- \* Knowledge Visualization
- \* Virtual Reality in Education, Training and Entertainment
- \* Universal Web Accessibility

### Track 4: People and E-Services in the 21st Century

- \* Digital Library
- \* E-Learning
- \* E-Services for Disabled People
- \* Information and Knowledge Services
- \* Mobile Services
- \* Service Development Methods and Tools

### Track 5: Knowledge Economy and IT Technologies

- \* Basic Issues in Knowledge Economy
- \* Advanced IT Technologies for Agriculture, Culture, Environment Protection, Finance, Government, Hospital and Healthcare, Law, Sports, Tourism, Trade, Transportation, etc.
- \* Intellectual Property and Knowledge Economy
- \* Knowledge Economy in Developing Countries

## **PAPER SUBMISSION**

Submissions of substantial, original and previously unpublished work are invited in all areas related to the themes of the five tracks. The strongly preferred submission method for papers is to use the conference management tool Paperdyne. Only PDF and MS Word files will be accepted. If electronic submission is not possible for the authors, hardcopy submissions may also be made. Each hardcopy submission should contain four copies of the paper and should be sent by postal mail to one of the KEST04 Program Committee Co-chairs.

Papers must be written in English. Submissions must not exceed 8 pages for regular papers or 4 pages for short papers. Each paper should be accompanied by a title page, including the title of the paper, and author's information (including names, affiliations, postal addresses and E-mail addresses), an abstract of less than 200 words, 3-5 keywords, and the title of the track. The length of the final camera-ready papers will be limited to 8 pages for regular papers or 4 pages for short papers. We strongly suggest that you prepare your manuscript in the style required by Tsinghua University Press (See <http://www.paperdyne.de/kest04.html>).

The deadline for receipt of papers is May 15, 2004 for both electronic and hardcopy submissions. Papers received after this date will be rejected without review. Notification of receipt of papers will be sent to the corresponding author soon after receipt.

## **POLICY OF MULTIPLE SUBMISSIONS**

KEST04 will not accept any paper which at the time of submission is under review for, or has already been formally published or accepted for publication in a journal, book or another conference. Authors should not submit their papers elsewhere during the review period. These policies only apply to journals, books and conferences and not to informal meetings with limited audiences.

## **REVIEW AND PUBLICATION**

All papers will be reviewed by the KEST 2004 Program Committee for significance, originality, accuracy, and clarity. Papers accepted for presentation will appear in the conference proceedings published by Tsinghua University Press, which will be available to delegates at the conference site. At least one author of each paper must register for the conference with payment to make the paper included in the conference program and proceedings.

Best papers will be selected by the Advisory Committee and Program Committee, and the authors are invited to extend their papers for an international journal.

## **PAPER PRESENTATION**

Accepted papers may be presented orally or electronically (i.e., by a PPT or MPEG file with voice). The conference organizers will provide presenters with necessary facilities for paper presentation including projectors and computers.

## **IMPORTANT DATES**

Deadline for paper submission	May 15, 2004
Notification of acceptance of papers	June 15, 2004
Receipt of final papers and early registrations	July 1, 2004

## **CONFERENCE LOCATION**

The conference will be located at the Jade Hotel of Beijing. Further information will be announced in the KEST04 Advanced Program.

## **POST CONFERENCE SIGHTSEEING**

The Great Wall.

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