12th IEEE INTERNATIONAL

REQUIREMENTS ENGINEERING
CONFERENCE

September 6-10 2004
Kyoto, Japan

+ + Requirements for Innovation in a Changing World + +

Keynote Speakers
Professor Nigel Cross, Open University, UK: How
Creative Design Happens
Professor Axel van Lamsweerde, Universite de Louvain,
Belgium, Goal-Oriented Requirements Engineering: A
Roundtrip from Research to Practice
Ikuo Minakata, Matsushita (Panasonic) Electric Co., Ltd:
Requirements for Ubiquitous/Embedded Products, -
Digital TV, Mobile Phones and Consumer Products

A Full Technical and Industrial Program
A technical research program of high-quality 27 papers
and 10 industrial experience reports on key areas of
requirements engineering.

State-of-the-Practice Talks
From leading experts in requirements engineering on
topics that matter to you and your organisations.

16 Workshops and Tutorials
Nine tutorials and seven workshops will take place on the
first 2 days. The biggest problem will be choosing what to
attend.

Panels, Invited Talks and Exhibition
In addition RE’04 will offer panels and invited talks, a
vendor and publisher exhibition and doctoral consortium.

About Kyoto and RE’04
Kyoto is in central Japan, easily reachable by train from
major international airports. It is one of Japan’s most
beautiful cities, and the conference location is only 10
minutes walk from 2 of the world heritage sites shown
above. Kyoto and RE’04 also very affordable. Conference
fees for early registration will be only $400 USD, whilst
some recommended hotels are downtown Kyoto will cost
less than $100 USD per night – comparable with
European and North American locations. Attend RE in its
most beautiful location yet in 2004!

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http://www.re04.org, info@re04.org

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12th IEEE International Requirements Engineering Conference
(Re ‘04)
6th–10th September 2004, Kyoto, Japan

http://www.re04.org

Requirements for Innovation in a Changing World

Requirements Engineering (RE) is the branch of systems engineering concerned with the goals, desired properties and constraints of complex systems, ranging from embedded software systems and software-based products to large enterprise and socio-technical systems, organisations and people. It covers all activities related to the acquisition, specification and maintenance of requirements throughout the life cycle. It also covers how requirements relate to business processes, work redesign, system and software architecture, and testing.

RE’04’s theme – requirements for innovation in a changing world – is reflected in a program that includes:

**Keynote Speakers**

- **Professor Nigel Cross**, Open University, UK: How Creative Design Happens
- **Professor Axel van Lamsweerde**, Université de Louvain, Belgium: Goal-Oriented Requirements Engineering: A Roundtrip from Research to Practice

**A Full Technical and Industrial Program**

Attend 9 sessions from our technical research program of 27 papers selected from almost 100 high-calibre submissions. Session themes include aspect-oriented requirements engineering, requirements engineering for COTS-based systems, visualising and animating requirements and goals, use cases in the requirements process, improving requirements process, managing requirements change and traceability, organisational and socio-technical systems, handling non-functional requirements, and transforming requirements. There will also be a program of 10 reports on industrial experiences with requirements processes, techniques and tools.

**State-of-the-Practice Talks**

All delegates will have access to 8 presentations from leading experts in requirements engineering on topics that matter to you and your organisations. Topics include use cases, the RUP and future RE directions.

**16 Workshops and Tutorials**

Nine tutorials and seven workshops will take place on the first 2 days. Tutorial topics include requirements-based product line engineering and development, requirements to bridge between business and development, requirements and creativity, software traceability, practical use of scenarios, and financially-informed requirements prioritisation. Two more tutorials, on scenario analysis and traceability, will be held in Japanese. The seven workshops also cover a range of topics including requirements for COTS-based systems, requirements for service-oriented systems, requirements for high assurance systems, patterns in requirements engineering, and evaluating our requirements research. The automotive requirements engineering workshop will take place in Nagoya, and the International Workshop on Software Evolution will be co-located in Kyoto!

**Panels, Invited Talks and Exhibition**

In addition RE’04 will offer three exciting panels – on software engineering trends in Japan, what theories do we have in requirements engineering, and educating requirements engineers – and invited talks on related themes. RE’04 will also have a major vendor and publisher exhibition.

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