



17th IEEE International Requirements Engineering Conference

31 August – 4 September 2009
Atlanta, Georgia, USA



www.re09.org

Conference Organization

General Chair

William Robinson, Georgia State University, USA

Program Chair

Kevin Ryan, Lero – University of Limerick, Ireland

Local Arrangements

Bala Ramesh, Georgia State University, USA

Financial Chair

Thomas A. Alspaugh, UCI, USA

Practitioner Track

Brian Berenbach, Siemens, USA

Erik Simmons, Intel, USA

Workshops

Jane Cleland-Huang, DePaul University, USA

Marjo Kauppinen, HUT, Finland

Tutorials

Daniel Berry, University of Waterloo, Canada

Doctoral Symposium

Patrick Heymans, University of Namur, Belgium

Didar Zowghi, UT, Sydney, Australia

Posters

Mehrdad Sabetzadeh, University of Toronto, Canada

Andrea Zisman, City University, UK

Publicity

Olly Gotel, Pace University, USA

Patrick Mäder, TU Ilmenau, Germany

Proceedings

Susan Mitchell, Lero – University of Limerick, Ireland

Local Organization

Yi Ding, Webmaster

David McDonald, Registration

Carl Stucke, Student Volunteers

Radu Vlas, Demos

Program Board

Jane Cleland-Huang, USA

Carlo Ghezzi, Italy

Martin Glinz, Switzerland

Olly Gotel, USA

Mats Heimdal, USA

Patrick Heymans, Belgium

Neil Maiden, UK

Klaus Pohl, Germany

Björn Regnell, Sweden

Colette Rolland, France

Alistair Sutcliffe, UK

Tetsuo Tamai, Japan

Roel Wieringa, The Netherlands

Program Committee

Ian Alexander, UK

Annie Antón, USA

Mikio Aoyama, Japan

Brian Berenbach, USA

Daniel Berry, Canada

Jaelson Castro, Brazil

Marsha Chechik, Canada

Lawrence Chung, USA

Daniela Damian, Canada

Eric Dubois, Luxembourg

Christof Ebert, Germany

Martin Feather, USA

Anthony Finkelstein, UK

Xavier Franch, Spain

Donald Gause, USA

Michael Goedicke, Germany

Connie Heitmeyer, USA

Ann Hickey, USA

Marina Jirotko, UK

Haruhiko Kaiya, Japan

Kyo Kang, Korea

Marjo Kauppinen, Finland

Søren Lauesen, Denmark

Julio Leite, Brazil

Michel Lemoine, France

Emmanuel Letier, UK

Peri Loucopoulos, UK

Robyn Lutz, USA

Kalle Lyytinen, USA

Nazim Madhavji, Canada

John Mylopoulos, Canada

Andreas Opdahl, Norway

Oscar Pastor, Spain

Norah Power, Ireland

Bala Ramesh, USA

Suzanne Robertson, UK

Motoshi Saeki, Japan

Camille Salinesi, France

Erik Simmons, USA

Guttorm Sindre, Norway

Wei Zhang, China

Andrea Zisman, UK

Didar Zowghi, Australia

Call for Papers and Proposals

Requirements Engineering: the Essential Bridge

The world is becoming ever more dependent on software intensive systems. They are central to our economy, to our society, to the services we depend upon and, increasingly to the very survival of the global ecosystem. Despite many failures, some of them very well publicized, the engineering of such systems has improved consistently over the past few decades. However many challenges remain. Every computer-based system involves relating the myriad, informal facets of the real world to the intricate and formal specifics of a software system. Understanding potentials or details of software systems is not expected of stakeholders, who have their own specialized concerns. Similarly, the eager and technologically capable developers are not expected to understand the nuances of the many domains where software applies. Requirements Engineering (RE) is the essential capability that can bridge the two perspectives. The RE activity is multi-disciplinary. When defining the requirements of major systems we must bring to bear expertise from a wide range of specialisms such as Human-Computer Interaction, Systems Modeling, and Security. The RE research field builds the effective bridges between these and other sub-disciplines of the Computer Science and Information Systems fields. The many computer-based system needs of business and society are often contradictory, inadequately defined, and rapidly changing. RE helps stakeholders communicate, helping to reconcile their conflicts, clarify their goals, and reflect their priorities. If our society is to seek a better future we will need all of the models, methods, and tools that RE can provide.

The IEEE International Requirements Engineering Conference provides the premier international forum for researchers, educators, industrial practitioners and students to present and discuss the most recent innovations, trends, experiences and concerns in the field of requirements engineering.

Topics of interest include, but are not restricted to: requirements elicitation, analysis, documentation, validation and verification; requirements specification languages, methods, processes and tools; requirements management, traceability, viewpoints, prioritization and negotiation; modeling of requirements (formal and informal), goals and domains; prototyping, simulation and animation; evolution of requirements over time, product families and variability; relating requirements to business goals, products, architecture and testing; social, cultural, global, personal and cognitive factors in requirements engineering; domain-specific problems, experiences and solutions. There is a particular welcome for papers that cross disciplines, combine paradigms or otherwise address the conference theme.

Paper Categories

We will invite submissions of high quality papers in four categories:

Technical solution papers present solutions for requirements-related problems that are novel or significantly improve existing solutions. A technical solution paper must include a preliminary validation of the proposed solution.

Scientific evaluation papers evaluate existing problem situations or validate/refute proposed solutions with scientific means, i.e. by empirical studies, experiments, case studies, simulations, formal analyses, mathematical proofs, etc. Scientific reflection on problems and practices in industry also falls into this category.

Industrial practice and experience papers present problems or challenges encountered in practice, discuss insights, innovations in industrial practice, success and failure stories. The focus is on 'what' and on lessons learned, not on an in-depth analysis of 'why'. Otherwise, consider submitting a scientific evaluation paper.

Survey or review papers abstract from the current state of the art and provide insightful observations, fruitful analogies or propose significant and novel research directions. Contributions that link RE to other fields of endeavor would belong here. Please note that this is not a forum for research proposals or personal opinion pieces.

More details about the paper categories, corresponding review evaluation criteria and submission dates will be provided on the conference website, <http://www.re09.org>.

Papers must describe original work not submitted or presented at other forums. Accepted papers will be published in an IEEE CS Press Conference Proceedings and will be available in the IEEE CS Digital Library.

Submission Information

Submissions will be handled electronically at the RE'09 submission site. Authors without web access must make advance arrangements with the Program Chair at least one week before the deadline. Technical solution and scientific evaluation papers must not exceed 10 pages. Industrial practice/experience and survey/review papers must not exceed 6 pages. Submissions must be formatted according to the IEEE CS proceedings format (see <http://www.computer.org/portal/site/cscps/> for instructions and templates). More detail on submission procedures will be available on the conference website.

Other Contributions

We also invite proposals for **tutorials, workshops, panels, doctoral symposium contributions, posters, videos, and research demonstrations.**

Important Dates

Paper abstracts	February 2, 2009
Paper submissions (all categories)	February 12, 2009
Tutorial, workshop and panel submissions	March 9, 2009
Notification to authors	April 22, 2009
Doctoral symposium, poster and other submissions	May 11, 2009