Program
Message from the Chairs

It is with great pleasure that we welcome you to the 24th IEEE International Requirements Engineering Conference, RE’16, held in the city of Beijing, China, September 12-16, 2016. For almost a quarter of a century now, this Conference has hosted researchers, practitioners, educators and students interested in Requirements Engineering, presenting latest results, technical innovations, reports from field work, emerging challenges and opportunities.

The conference theme is Delivering Value through Better Requirements. It refers to the need for requirements engineers to identify and communicate stakeholders’ values and to constantly prioritise their work so as to deliver the most value to project stakeholders and product development teams.

The conference offers a rich technical program, including a number of selected papers from (and for) both academic and industrial perspectives. Presentations of these papers, grouped by subject, span the three days of the conference. The call for papers allowed three types of submissions: research papers, industry papers and ongoing research papers (RE@Next! track).

A number of complementary events enrich and complete our program: tutorials, posters, a doctoral symposium, tools & demo highlights and a discussion panel. Ten workshops, on Monday and Tuesday, provide excellent opportunities for more focused presentations and discussions. Some of the workshops have long been associated with RE, and we are glad of continuing such a fruitful tradition; others are being held for the first time. To the latter goes our special welcome to the RE family! The same days, 11 tutorials (some half-day, some full-day) provide insights in topics of particular interests for the RE audience.

We are honoured to have three excellent keynote speakers this year. On Wednesday, Jan Bosch (Chalmers University Technology, Sweden) will reflect on how to deliver customer value in the age of autonomous, continuously evolving systems, highly related to the theme of the conference. On Thursday, Yu Zheng (Microsoft Research, China) will provide an overview on the urban computing field and how big data may be used to solve urban challenges, from a requirements perspective. On Friday, Robyn Lutz (Iowa State University) will describe her experiences and results in applying requirement techniques to molecular programmed nanosystems.

Overall, RE’16 attracted 191 abstract submissions (112 in the Research track, 30 in the Industry track, 49 in the RE@Next! track), which were followed by 142 full papers (79 Research, 24 Industry, 39 RE@Next!). All submissions were independently reviewed by three members of the respective evaluation committees, followed by a period of online discussion open to all committee members. Committees were carefully designed to balance topic expertise, regional diversity whilst including many of the most experienced RE researchers and practitioners as well as many enthusiastic younger researchers who have joined some RE committee for the first time.

For the research track, each paper had two reviewers from the Program Committee and one reviewer from the Review Committee. Both committees had the same obligations except that members of the Program Committee were requested to attend the FC meeting held in Barcelona, Catalunya, on the 26th and 27th of May; some Review Committee members did attend too. As outcome of the meeting, 22 papers from this category were finally accepted for presentation at the conference (an acceptance rate of 27.8%). The other two tracks made the decision after the online discussion, with a final result of: 11 papers accepted in the Industry Track.
(45.8% acceptance rate) and 11 papers accepted in the RE@Next! track (28.2%).

As a result of this selection process, the 33 papers from the Research and Industry track are grouped into 11 thematic sessions. The RE@Next! track was organized as 3 sessions in which interaction was promoted by allocating the same time to paper presentation and discussion. All together provide a broad and deep view on current advancements in Requirements Engineering.

We received submissions from 401 authors, from 29 different countries: 44% from Europe, 25% from Asia, 19% North America, 6% from South America, 4% from Oceania, 0.5% from Africa; in 1% of cases we could not identify a specific country. As for accepted papers, the US provided the largest individual contribution, with 12 papers, followed by Italy, Germany and the United Kingdom with 6 papers each. Overall, 20 different countries are represented in the main conference program, with many other countries represented in the various workshops and other events.

We would like to express our appreciation to the great effort exerted by the members of the different evaluation committees in dedicating their time to provide valuable reviews. To all 87 members of the PC (43 for the Research track, 20 for the Industry track, 24 for the RE@Next! track) we give our warmest gratitude for their invaluable work. We would also like to extend a special thanks to the members of the Organizing Committee and of the many sub-committees they created: without their help and expertise, there would be no RE’16. We thank in advance the student volunteers selected for helping with the smooth running of the conference, as well as many other volunteers who are generously giving their time to ensure the success of RE’16. Last but not least, we also thank our corporate and academic sponsors and donors for their generous support. Finally, we sincerely hope that RE’16 attendees, and especially those participating to RE for the first time, will benefit from an enriching experience and will enjoy the conference and Beijing to the fullest extent!
ORGANIZATION COMMITTEE

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Emmanuel Letier, University College London, UK

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Christof Ebert, Vector Consulting Services GmbH, Germany

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Anna Perini, FBK-ICT, Italy

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Krzystof Wnuk, Blekinge Institute of Technology, Sweden

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Seok-Won Lee, Ajou University, Republic of Korea

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Yijun Yu, The Open University, UK

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Michael Unterkalmsteiner, Blekinge Institute of Technology, Sweden
Li Zhang, Beijing University of Aeronautics and Astronautics, China

Social Media:
Xin Peng, Fudan University, China

Sponsorship:
Zhenyi Zhou, Imbus Shanghai, China

Finance & Registration:
Haiyan Zhao, Peking University, China

Local Arrangement:
Wei Zhang, Peking University, China

Industry Collaboration:
Yong Xia, IBM China

Student Volunteer Chairs:
Hui Liu, Beijing Institute of Technology, China
Yuanyuan Zhang, University College London, UK

Web Masters:
Yi Jiang, Peking University, China
Catarina Graiha, Universidade Nova de Lisboa, Portugal
Jan Bosch
Chalmers University Technology, Sweden

Title: Delivering Customer Value in the Age of Autonomous, Continuously Evolving Systems

Abstract: We are living in the most exciting time in the history of mankind. The last century has seen unprecedented improvements in the quality of the human condition and technology is at the heart of this progress. Now we are experiencing an even bigger leap as we move towards a new level of digitization and automation. Ranging from self-driving cars to factories without workers to societal infrastructure, every sensor and actuator is becoming connected and new applications that enable new opportunities are appearing daily. The fuel of this emerging Internet of Things reality is software and the key challenge is to continuously deliver value to customers. There are three areas where the companies seeking to survive and thrive in this new world need to be world leading: speed, data and ecosystems. Speed is concerned with converting new customer insights into deployed solutions in hours and days rather than months and years. Effective use of data coming from the field, both in development as in the applications themselves, is critical to ensure that we are building the right products where humans were involved earlier. Finally, successfully integrating ourselves in our business and technology ecosystems such that speed and data-driven development and execution expand beyond the boundaries of the company is crucial for success. The keynote first introduces the aforementioned development, then discusses the key areas of speed, data and ecosystems and finally presents the implications for organizations that seek to continuously deliver value to their customers.

Yu Zheng
Microsoft Research, China

Title: Urban Computing: Using Big Data to Solve Urban Challenges

Abstract: Urban computing is a process of acquisition, integration, and analysis of big and heterogeneous data generated by a diversity of sources in cities to tackle urban challenges, e.g., air pollution, energy consumption and traffic congestion. Urban computing connects unobtrusive and ubiquitous sensing technologies, advanced data management and analytics models, and novel visualization methods, to create win-win-win solutions that improve urban environment, human life quality, and city operation systems. Urban computing is an inter-disciplinary field where computer science meets urban planning, transportation, economy, the environment, sociology, and energy, etc., in the context of urban spaces. In this talk, I will overview the framework of urban computing, discussing its key challenges and methodologies from
computer science’s perspective. This talk will also present a diversity of urban computing applications, ranging from big data-driven environmental protection to transportation, from urban planning to urban economy. The research has been not only published at prestigious conferences but also deployed in the real world.

Robyn Lutz
*Iowa State University, USA*

**Title:** Requirements for molecular programmed nanosystems

**Abstract:** Molecular programmed nanosystems combine computer science principles with the information-processing power of molecules to design self-assembling, programmable systems at the nanoscale. Molecular programming controls the behavior of molecules and is programming in the literal sense of computer science. Applications of molecular programming that are on the horizon for commercial production include targeted and personalized medical therapeutics, biosensors for air and water, molecular robots that can navigate in cells, and biocompatible computational devices.

In this talk I describe the experiences and results of our interdisciplinary team in applying goal-oriented requirements techniques, reaction network modeling, and probabilistic model checking to molecular programmed nanosystems. Requirements challenges include handling scalability to very large numbers of devices or services (roughly similar to the internet of things), dealing with probabilistic behavior, and understanding the limits of safe operation in changing (literally fluid) environments. I discuss how computational tools and thinking assist the development efforts and what limitations currently hamper our requirements analysis in practice. More broadly, I suggest that the approaches useful for molecular programming may help with understanding the requirements for other large, distributed, autonomous systems.

### Conference Program Overview

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<tr>
<th>Day</th>
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<td>Monday (12/09)</td>
<td>Workshops Tutorials</td>
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<td>Tuesday (13/09)</td>
<td>Doctoral Symposium Workshops Tutorials</td>
<td>Welcome Reception</td>
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<td>Wednesday (14/09)</td>
<td>Keynote: Jan Bosch Research/Industry Tracks RE@Next! Tracks</td>
<td>OC/PC/RC Dinner</td>
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<td>Thursday (15/09)</td>
<td>Keynote: Yu Zheng Research/Industry Tracks RE@Next! Tracks Posts and Demos Panel</td>
<td>Banquet</td>
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<td>Friday (16/09)</td>
<td>Keynote: Robyn Lutz Research/Industry Tracks MIP Award Session Closing</td>
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## Conference Program Detail

**Monday, September 12, 2016**

### Workshop Session

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<td>Lunch (12:00-13:30)</td>
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**Tuesday, September 13, 2016**

### Workshop Session

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<td>08:30</td>
<td>Doctoral Symposium [Meeting Room No.2, Building No.8]</td>
<td>Keynote: How to Finish that Damn PhD</td>
<td>Speaker: Daniel M. Berry (University of Waterloo, Canada)</td>
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### Keynote Session

**Keynote:** How to Finish that Damn PhD  
**Speaker:** Daniel M. Berry  
(University of Waterloo, Canada)

### Doctoral Symposium

**Doctoral Symposium:**  
[Meeting Room No.2, Building No.8]  
**Keynote:** How to Finish that Damn PhD  
**Speaker:** Daniel M. Berry  
(University of Waterloo, Canada)
### Wednesday, September 14, 2016

#### Opening

**Keynote:** Delivering Customer Value in the Age of Autonomous, Continuously Evolving Systems  
**Speaker:** Jan Bosch  
**Chairs:** Xavier Franch  
**Function Room, Building No.1**

#### Coffee Break (10:00-10:30)

#### Research/Industry: Writing Requirements

**Chairs:** Michael Panis  
**Meeting Room No.1, Building No.8**

- **R07** – Challenging Incompleteness of Performance Requirements by Sentence Pattern  
  Jonas Eckhardt, Andreas Vogelsang, Henning Femmer and Philipp Mager  
  (Technical University of Munich, Germany)

- **I11** – Lists Learned (8 Lessons Learned Applying EARS)  
  Alistair Mavin, Philip Wilkinson, Sarah Gregory and Eero Uusitalo  
  (Rolls-Royce, United Kingdom; Intel, United States; IntoWorks, Finland)

- **I08** – RAMP: Requirements Authors Mentoring Program  
  John Terzakis, Sarah Gregory  
  (Intel Corporation, United States)

#### Research/Industry: Traceability

**Chairs:** Jane Hayes  
**Meeting Room No.5, Building No.8**

- **R04** – Collaborative Traceability Management: Challenges and Opportunities  
  Rebekka Wohlrab, Jan-Philipp Steghöfer, Eric Knauss, Salome Maro and Anthony Anjorin  
  (Chalmers | University of Gothenburg, Sweden)

- **I05** – TraceBoK: Toward a Software Requirements Traceability Body of Knowledge  
  Ana Marcia Debiasi Duarte, Denio Duarte and Marcello Thiry  
  (Universidade do Oeste de Santa Catarina, Brazil; Universidade Federal da Fronteira Sul, Brazil; Universidade do Vale do Itajai, Brazil)

#### REJ Meeting  
**Meeting Room No.3, Building No.8**

#### Lunch (12:00-13:30)

#### Research/Industry: Elicitation I

**Chairs:** Samuel Fricker  
**Meeting Room No.1, Building No.8**

- **R02** – Stimulating Stakeholders’ Imagination: New Creativity Triggers for Eliciting Novel Requirements  
  Corentin Burnay, Jennifer Horkoff and Neil Maiden  
  (University of Namur, Belgium; City University London, United Kingdom)

- **R19** – Acquiring Creative Requirements from the Crowd: Understanding the Influences of Individual Personality and Creative Potential in Crowd-RE  
  Pradeep Kumar Murukannaiah, Nirav Ajmeri and Munindar Singh  
  (North Carolina State University, United States)

- **R08** – Improving Requirements Quality by Tool-Supported Video Analysis: A Comparative Evaluation  
  Oliver Karras, Stephan Kiesling and Kurt Schneider  
  (Leibniz Universität Hannover, Software Engineering Group, Germany)

#### Research/Industry: Requirements Visualization and User Interaction

**Chairs:** Nan Niu  
**Meeting Room No.5, Building No.8**

- **R18** – Requirements Engineering Visualization: A Systematic Literature Review  
  Zahra Shakeri Hossein Abad, Mohammad Noaeen and Guenther Ruhe  
  (University of Calgary, Canada)

- **R12** – What is the Impact of Bad Layout in the Understandability of Social Goal Models for Requirements Engineering?  
  Matilda Santos, Catarina Graela, Miguel Goulão, João Araújo, Ana Moreira, João Cambeiro  
  (NOVA LINCS, Universidade NOVA de Lisboa, Portugal)

- **R11** – An Exploratory Study on User Interaction Challenges When Handling Interconnected Requirements Artifacts of Various Sizes  
  Parisa Ghazi and Martin Glinz  
  (University of Zurich, Departement for Informatics, Switzerland)
Coffee Break (15:00-15:30)

**Research/Industry: Managing Requirements**
Chairs: Krzysztof Wnuk
[Meeting Room No.1, Building No.8]

**R22** – Managing Requirements Change the Informal Way! When Saying ‘No’ Is Not an Option
Waqar Hussain, Didar Zowghi, Tony Clear, Stephen MacDonell and Kelly Blincoe
(Auckland University of Technology, New Zealand; University of Technology Sydney, Australia)

**R15** – Requirements and Test Documentation Management: State of Practice in Fifteen Companies
Sofija Hotomski, Eya Ben Charrada and Martin Glinz
(University of Zurich, Department for Informatics, Switzerland)

Angelo Furfaro, Teresa Gallo, Alfredo Garro, Domenico Saccà and Andrea Tundis
(University of Calabria / OKT srl, Italy; University of Calabria / Herzum srl, Italy; University of Calabria, Italy)

**RE@Next!: Exploring frontiers in: Elicitation & Analysis**
Chairs: Aaron Massey
[Meeting Room No.5, Building No.8]

**N06** – Empowering Requirements Elicitation Interviews with Vocal and Biofeedback Analysis
Paola Spoletini, Casey Brock, Rahat Shahwar and Alessio Ferrari
(Kennesaw State University, United States; ISTI-CNR, Italy)

**N07** – Requirements Engineering as Innovation Journalism: A Research Preview
Samuel Fricker, Ernest Wallmüller and Ina Paschen
(FHNW, Switzerland; Qualitäts & Informatik, Switzerland)

**N08** – Is it a New Feature or Simply Don’t-know-yet? On Automated Redundant OSS Feature Requests Identification
Lin Shi, Celia Chen, Qing Wang and Barry Boehm
(Laboratory for Internet Software Technologies, Institute of Software, Chinese Academy of Sciences, China; Center for Systems and Software Engineering, University of Southern California, United States)

**N10** – Complete Traceability for Requirements in Satisfaction Arguments
Anitha Murugesan, Michael Whalen, Elaheh Ghassabani and Mats Heimdahl
(University of Minnesota, United States)

**SC Meeting**
[Meeting Room No.3, Building No.8]

OC/PC/RC Dinner (tbc) (18:00 tbc)

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Thursday, September 15, 2016

**Friendship Hotel**

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<th>Time</th>
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<tr>
<td>08:30</td>
<td><strong>BP Award</strong></td>
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<td>10:00</td>
<td><strong>Keynote:</strong> Urban Computing: Using Big Data to Solve Urban Challenges</td>
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<td>Speaker: Yu Zheng</td>
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<td>Chairs: Zhi Jin</td>
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Coffee Break (10:00-10:30)

**Research/Industry: Goal Modelling**
Chairs: Gunter Mussbacher
[Meeting Room No.1, Building No.8]

**R09** - Goal-Oriented Requirements Engineering: A Systematic Literature Map
Jennifer Horkoff, Fatma Başak Aydemir, Evelin Cardoso, Tong Li, Alejandro Mate, Elda Paja, Mattia Salnitrì, John Mylopoulos, Paolo Giorgini
(City University London, United Kingdom; University of Trento, Italy; University of Alicante, Spain)

Nan Niu, Amy Koshtoffer, Linda Newman, Charu Khatwani, Chatura Samarasinghe and Juha Savolainen (University of Cincinnati, United States; Roche Diagnostics, Switzerland)

10:30  | **R01** - Looking into the Crystal Ball: Requirements Evolution over Time                 |
|       | Alicia M. Grubb and Marsha Chechik                                                      |
|       | (University of Toronto, Canada)                                                          |

Lunch (12:00-13:30)

**Research/Industry: Elicitation II**
Chairs: Alistair Mavin
[Meeting Room No.5, Building No.8]

**R03** - Ambiguity Cues in Requirements Elicitation Interviews
Alessio Ferrari, Paola Spoletini and Stefania Gnesi
(ISTI-CNR, Italy; Kennesaw State University, Marietta campus, United States)

**R14** - A Serious Game for Eliciting Social Engineering Security Requirements
Kristian Beckers and Sebastian Pape
(Technische Universität München (TUM), Germany; Goethe University Frankfurt, Germany)

**I07** - Requirements Elicitation and Derivation of Security Policy Templates - An Industrial Case Study
Manuel Rudolph, Denis Feth, Joerg Doerr and Joerg Spilker
(Fraunhofer IESE, Germany; Datev eG, Germany)
Research/Industry: Privacy Requirements
Chairs: Sjaak Brinkkemper
[Meeting Room No.1, Building No.8]
R17 - A Theory of Vagueness and Privacy Risk Perception
Jaspreet Bhatia, Travis D. Breaux, Joel R. Reidenberg and Thomas B. Norton
(Carnegie Mellon University, United States; Fordham University School of Law, United States)
I06 - Privacy Requirements: Findings and Lessons Learned in Developing a Privacy Platform
Mohamad Gharib, Mattia Salnitri, Elda Paja, Paolo Giorgini, Haralambos Mouratidis, Michalis Pavlidis, Jose F. F Ruiz and Sandra Fernandez
(University of Trento, Italy; University of Brighton, UK; Atos, Spain; Bambino Gesu Children’s Hospital, Italy)
I09 - Experiences in the Development and Usage of a Privacy Requirements Framework
Ian Oliver
(Bell Labs, Nokia, Finland)

RE@Next!: Exploring frontiers in: Modelling language
Chairs: Eya Ben Charrada
[Meeting Room No.5, Building No.8]
N03 - AnalyticGraph.com: Toward Next Generation Requirements Modeling and Reasoning Tools
Joseph Gillain, Corentin Burnay, Ivan Jureta and Stéphane Faulkner
(University of Namur, Belgium)
N05 - Towards Improved Requirements Engineering with SysML and the User Requirements Notation
Daniel Amyot, Amal Ahmed Anda, Malak Baslyman, Lysanne Lessard and Jean-Michel Bruel
(University of Ottawa, Canada; University of Ottawa and IRHM, Canada; Université de Toulouse and IRIT, France)
N09 - Towards Modelling and Analysis of Spatial and Temporal Requirements
Mounir Touzani, Christophe Ponsard
(LIRMM, France; CETIC, Belgium)
N11 - Towards a Marketplace of Visual Elements for Notation Design
Mounir Touzani, Christophe Ponsard
(LIRMM, France; CETIC, Belgium)

Panel: Requirements Engineering for the Digital Transformation
Chairs: Carlos Henrique C. Duarte and Christof Ebert
[Meeting Room No.2, Building No.8]
Panelists:
- Akiyuki Takoshima, R&D, Denso Corporation, Japan
- Felipe Rubim, General Manager at CI&T Asia Pacific, China
- Ian Oliver, R&D, Nokia, Finland
- Sarah Gregory, R&D, Intel, USA
- Guoxiang Lu, IT, CVIC SE, China
- Christof Ebert, Vector Consulting Services, Germany
- Carlos Duarte, National Bank of Social and Economic Development (BNDES), Brazil

Coffee Break (15:00-15:30)

Research/Industry: Requirements Mining
Chairs: Pete Sawyer
[Meeting Room No.1, Building No.8]
R05 - Mining Requirements Knowledge from Collections of Domain Documents
Xiaoli Lian, Mona Rahimi, Jane Cleland-Huang, Li Zhang, Remo Ferrari and Michael Smith
(Beihang University, China; DePaul University, United States; Rail Automation, Siemens Industry, New York, United States)
R13 - A Needle in a Haystack: What Do Twitter Users Say about Software?
Emitza Guzman, Rana Alkadhi and Norbert Seyff
(University of Zurich, Switzerland; Technische Universität München and King Saud University, Germany; University of Applied Sciences and Arts Northwestern Switzerland and University of Zurich, Switzerland)
R16 - Software Feature Request Detection in Issue Tracking Systems
Thorsten Merten, Matúš Falis, Paul Hübner, Thomas Quirchmayr, Simone Bürsner and Barbara Paech
(Bonn-Rhein-Sieg University of Applied Sciences, Germany; The University of Edinburgh, United Kingdom; University of Heidelberg, Germany; University of Heidelberg, Germany; Bonn-Rhein-Sieg University of Applied Sciences, Germany; University of Heidelberg, Germany)

RE@Next!: Exploring frontiers in: Requirements Engineering tasks and processes
Chairs: Fabiano Dalpiaz
[Meeting Room No.5, Building No.8]
N01 - Continuous Requirements Engineering Using Model Federation
Ghanem Soltana, Mehrdad Sabetzadeh and Lionel C. Briand
(SnT Centre for Security, Reliability and Trust, University of Luxembourg, Luxembourg)
N02 - Beyond Awareness Requirements
Angelo Furfaro, Teresa Gallo, Alfredo Garro, Domenico Saccà and Andrea Tundis
(University of Calabria / OKT srl, Italy; University of Calabria / Herzum srl, Italy; University of Calabria, Italy)
N04 - Acceptance Requirements and Their Gamification Solutions
Akiyuki Takoshima and Mikio Aoyama
(DENSO CORPORATION, Japan; Nanzan University, Japan)
Posters and Tool Demos
Chairs: Birgit Penzenstadler and Yijun Yu
[Meeting Room No.2-3, Building No.8]
P01 - Application of Artifact-based RE in Fortified Cards
Sayli Pradhan, Aniket Patil and Birgit Penzenstadler

P02 - i*ToNuSMV: A prototype for enabling model checking of i* models
Novarun Deb, Nabendu Chaki, Aditya Ghose, Nitesh Shukla and Irshad Hussain

P03 - Generating Test Cases from Problem Diagrams Based on Problem Progression: a Tool-Based Approach
Ning Gao and Zhi Li

P04 - SCCMT: A Stigmergy-based Collaborative Conceptual Modeling Tool
Yi Jiang, Shijun Wang, Kai Fu, Wei Zhang and Haiyan Zhao

P05 - A Modular Requirements Engineering Framework for Web-based Toolchain Integration
Robert Darimont, Wei Zhao, Christophe Ponsard and Arnaud Michot

P06 - Capra: A Configurable and Extendable Traceability Management Tool
Salome Maro and Jan-Philipp Steghöfer

P07 - Mobility Requirements Engineering Tool (MoRE)
Xiaozhou Li, Biswa Upreti and Zheying Zhang

P08 - RE-PREF: Support for REassessment of PREferences of Non-functional Requirements for Better Decision-making in Self-adaptive Systems
Luis Garcia Paucar and Nelly Bencomo

D05 - Definition of a behavior-driven model for requirements specification and testing of interactive system
Thiago Silva (ICS-IRIT, Université Paul Sabatier, France)

D06 - Towards a Regulator-Oriented Regulatory Intelligence Framework
Okhaide Akhigbe (University of Ottawa, Canada)

Banquet (18:00 tbc)

Friday, September 16, 2016
Friendship Hotel

08:30 - 10:00
Keynote: Requirements for molecular programmed nanosystems
Speaker: Robyn Lutz
Chairs: Emmanuel Letier
[Function Room, Building No.1]

Coffee Break (10:00-10:30)

Research/Industry: Modelling and Simulations
Chairs: Eric Yu
[Meeting Room No.1, Building No.8]
R06 - Nane: Identifying Misuse Cases Using Temporal Norm Enactments
Ozgur Kafali, Munindar Singh and Laurie Williams
(North Carolina State University, United States)

I01 - Model-Based Simulation of Legal Requirements: Experience from Tax Policy Simulation
Ghanem Soltana, Mehrdad Sabetzadeh and Lionel C. Briand
(SnT Centre for Security, Reliability and Trust, University of Luxembourg, Luxembourg)

R20 - Automated Extraction of Conceptual Models from User Stories via NLP
Marcel Robeer, Garm Lucassen, Jan Martijn E.M. Van Der Werf, Fabiano Dalpiaz and Sjaak Brinkkemper
(Utrecht University, Netherlands; Utrecht University, Netherlands)

10:30 - 12:00
Industry: Domain-Specific Requirement Application
Chairs: Sarah Gregory
[Meeting Room No.5, Building No.8]
I03 - Requirements Engineering for Health Data Analytics
Lin Liu, Letong Feng, Zhanqiang Cao and Jingdong Li
(Tsinghua University, China)

I04 - A Two-Stage Inspection Process for Automotive Software Systems and Its Practical Applications
Akiyuki Takoshima and Mikio Aoyama
(DENSO CORPORATION, Japan; Nanzan University, Japan)

I10 - Requirements Engineering for Retrofit Application
Jason Baker, Patrick Ferraioli, Luis R. Pereira, Abram Hudson, Gregg Barton, Sagar Bhatt, Matt Fritz, Ryan Odegard
(Transocean, United States; Barrios Technology, United States; Draper, United States)

Lunch (12:00-13:30)

13:30 - 15:00
MIP Award Talk: Feature Diagrams: A Survey and A Formal Semantics
Speaker: Pierre-Yves Schobbens, Patrick Heymans, Jean-Christophe Trigaux, and Yves Bontemps
Chairs: Martin Glinz
[Meeting Room No.5, Building No.8]

Closing

* Welcome Reception - Central Garden, Friendship Hotel
* Banquet - Yuxiandu Royal Gastronomy Museum. No. 117 West 4th Ring North Road, Haidian District, Beijing
### WS01 - AIRE

**Monday, September 12, 2016**

**Friendship Hotel**  
[Meeting Room VIP, Building No.8]

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
</tr>
</thead>
</table>
| 08:30-10:00 | **Session 1: Quality through Natural Language Processing**               | Automated Extraction of Information Type Hyponymy from Privacy Policies  
Jaspreet Bhatia, Morgan Evans, Sudarshan Wadkar and Travis D. Breaux  
Automatic Classification of Requirements Based on Convolutional Neural Networks  
Jonas Winkler and Andreas Vogelsang  
Toward Tool Mashups: Comparing and Combining NLP RE Tools  
Brian Arendse and Garm Lucassen |
|           | Coffee Break (10:00-10:30)                                              |                                                                           |
| 10:30-12:00 | **Session 2: Quality through Automated Reasoning**                     | Planning Optimal Agile Releases via Requirements Optimization  
Joseph Gillain, Ivan Jureta and Stéphane Faulkner  
Formal Understanding of Tradeoffs among Liveness and Safety Requirements  
Ozgur Kafal, Nirav Ajmeri and Munindar P. Singh  
The Reassessment of Preferences of Non-Functional Requirements for Better Informed Decision-making in Self-Adaptation  
Luis Hernan Garcia Paucar and Nelly Bencomo |
|           | Lunch (12:00-13:30)                                                    |                                                                           |
| 13:30-15:00 | **Session 3: Keynote**                                                 | Knowledge Representation and Reasoning for Requirements Engineering  
Keynote by Alexander Borgida and John Mylopoulos |
|           | Coffee Break (15:00-15:30)                                             |                                                                           |
| 15:30-17:00 | **Session 4: Quality in Requirements Elicitation and Wrap-up**        | Requirements Specification-by-Example Using a Multi-Objective Evolutionary Algorithm  
Lorijn van Rooijen and Heiko Hamann  
Which One To Read? Factors Influencing the Usefulness of Online Reviews for RE  
Eya Ben Charrada  
Wrap-Up |

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### WS02 - ESPRE

**Monday, September 12, 2016**

**Friendship Hotel**  
[Meeting Room No.2, Building No.8]

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<th>Time</th>
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<tbody>
<tr>
<td>08:30-10:00</td>
<td><strong>Greetings and Workshop Opening</strong></td>
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</table>
|           | **Keynote:** Security Requirements Engineering Revisited in the Big Data Era | Speaker: Lin Liu  
Chair: Seok-Won Lee |
|           | Coffee Break (10:00-10:30)                                              |                                                                           |
| 10:30-12:00 | **Session 1: Security Requirements for Guidelines and Policies**       |                                                                           |
|           | Chair: Kristian Beckers                                                |                                                                           |
|           | A Framework for Generating User- and Domain-Tailored Security Policy Editors | Manuel Rudolph, Cornelius Moucha and Denis Feth  
Systematically Developing Prevention, Detection, and Response Patterns for Security Requirements  
Maria Riaz, Sarah Elder and Laurie Williams  
Requirements Reconciliation for Scalable and Secure Microservice (De)composition  
Mohsen Ahmadvand and Amjad Ibrahim |
|           | Lunch (12:00-13:30)                                                    |                                                                           |
| 13:30-15:00 | **Session 2: Tools and Technology based Security and Privacy Requirements** |                                                                           |
|           | Chair: Seok-Won Lee                                                    |                                                                           |
|           | ArgueSecure: Out-of-the-Box Security Risk Assessment  
Dan Ionita, Roeland Kegel, Roel Wieringa and Andrei Baltuta  
Security Guidelines: Requirements Engineering for Code Quality  
Zeineb Zhioua, Yves Roudier, Stuart Short and Rabea Boulia Armeur  
Literature Survey on Technologies for Developing Privacy-aware Software  
Atsuo Hazeyama, Hironori Washizaki, Nobukazu Yoshioka, Haruhi-ko Kaiya and Takao Okubo |
|           | Coffee Break (15:00-15:30)                                              |                                                                           |
| 15:30-17:00 | **Lightning Talks and Interactive Demo Session**                      |                                                                           |
|           | Chair: Kristian Beckers                                                |                                                                           |
|           | Workshop Close                                                        |                                                                           |
### WS03 – iRENIC

**Monday, September 12, 2016**

**Friendship Hotel**  
[Meeting Room No.3, Building No.8]

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<td>Welcome to the iRENIC Workshop</td>
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<td><strong>Session 1: Keynote</strong></td>
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<tr>
<td></td>
<td>Your words betray you: The role of language in cybercrime investigations</td>
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<tr>
<td></td>
<td><em>Awais Rashid</em></td>
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<td>Coffee Break (10:00-10:30)</td>
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<tr>
<td>10:30-12:00</td>
<td><strong>Session 2: Security Risks and Evidence Management</strong></td>
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<tr>
<td></td>
<td>Forensically-Sound Analysis of Security Risks of using Local Password Managers</td>
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<tr>
<td></td>
<td><em>Joshua Gray, Virginia N. L. Franqueira, and Yijun Yu</em></td>
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<td>A Goal-Oriented Requirements Analysis for the Collection, Use and Exchange of Electronic Evidence across EU Countries</td>
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<td><em>Jean-Christophe Deprez and Christophe Ponsard</em></td>
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<td>Verifiable Limited Disclosure: Reporting and Handling Digital Evidence in Police Investigations</td>
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<td></td>
<td><em>Than Tun, Blaine Price, Arosha Bandara, Yijun Yu, and Bashar Nuseibeh</em></td>
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<td>Lunch (12:00-13:30)</td>
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<tr>
<td>13:30-15:00</td>
<td><strong>Session 3: Crime Modelling &amp; Panel</strong></td>
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<tr>
<td></td>
<td>Toward a More Structured Crime Scripting Method</td>
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<td><em>Hashem Dehghanniri and Hervé Borrion</em></td>
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<td>Unified Profiling of Attackers via Domain Modeling</td>
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<td><em>Unified Profiling of Attackers via Domain Modeling</em></td>
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<td>Panel: Open Challenges for Investigating and Countering Crimes</td>
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<td></td>
<td>Coffee Break (15:00-15:30)</td>
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<tr>
<td>15:30-17:00</td>
<td><strong>Session 4: Focus Group</strong></td>
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<td>Focus Group: Toward a Shared Research Agenda</td>
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<td>Closing Remarks</td>
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### WS05/06 – MoDRE/RE4SuSy

**Monday, September 12, 2016**

**Friendship Hotel**  
[Meeting Room No.1, Building No.8]

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<tr>
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<td>Welcome and Introduction</td>
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<td>10:00-12:00</td>
<td><strong>Paper Session 1a - Traceability and Synchronization</strong></td>
</tr>
<tr>
<td></td>
<td>Visualization of Trace Links and Change Impact Analysis</td>
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<tr>
<td></td>
<td>Stefan Kugele and Daniel Antkowiak</td>
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<tr>
<td></td>
<td>A Framework for Synchronization Between Feature Configurations and Use Cases Based on Bidirectional Programming</td>
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<td><em>Weize Zhao, Haiyan Zhao, and Zhenjiang Hu</em></td>
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<td>Lunch (12:00-13:30)</td>
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<tr>
<td>13:30-15:00</td>
<td><strong>Session 2 - Sustainability</strong></td>
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<tr>
<td></td>
<td>Resiliency vs. sustainability. Applying system of systems infrastructure resiliency simulation framework to modelling and measuring sustainability</td>
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<td><em>Mateusz Dubaniowski</em></td>
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<td>Towards a Quantitative Assessment of Supply Chain Sustainability using Queries over Model Simulations</td>
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<td><em>Christophe Ponsard, Renaud De Landtsheer, and Gustavo Ospina</em></td>
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<td>Modeling the Impact of UAVs in Sustainability</td>
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<td><em>José M. Conejero, Isabel Sofia Brito, Ana Moreira, Jácome Cunha and João Araújo</em></td>
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<td>TimedGRL: Specifying Goal Models Over Time</td>
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<td><em>Aprajita and Gunter Mussbacher</em></td>
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<td>Lunch (12:00-13:30)</td>
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<tr>
<td>15:30-17:00</td>
<td><strong>Session 3 - Goal Modelling and Security</strong></td>
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<tr>
<td></td>
<td>Goal Modelling in Clinical Decision Support</td>
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<td></td>
<td><em>Liang Xiao and John Fox</em></td>
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<td>Towards security modeling of e-voting systems</td>
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<td></td>
<td><em>Cristiano De Faveri, Ana Moreira, João Araújo, and Vasco Amaral</em></td>
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<td></td>
<td>Maintaining Secure Business Processes in Light of Socio-Technical Systems’ Evolution</td>
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<td><em>Mattia Salnitrì, Elda Paja, and Paolo Giorgini</em></td>
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<td>Closing</td>
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### WS04 - iStar

**Monday, September 12, 2016**

**Friendship Hotel**

[Meeting Room No.5, Building No.8]

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
</table>
| 08:30 - 10:00 | **Opening**
Yijun Yu and Lidia López |
| **Keynote:** Intellectual foundations for i* / iStar - past, present, and future. Speaker: Prof. Dr. Eric Yu (University of Toronto, Canada) Chair: Lidia López (Universitat Politècnica de Catalunya, Spain) |
| 10:00 | **Coffee Break (10:00-10:30)** |
| 10:30 - 12:00 | **Session 1: Analysis and Reasoning**
Chair: Alicia M. Grubb (University of Toronto, Canada)
Cooperation with frenemies: Towards modeling and analyzing simultaneous cooperation and competition.
- Vik Pant and Eric Yu
- Fabio Penha, Marcia Lucena, Leonardo Lucena, Celso Agra and Fernanda Alencar
- Similarity-based Reasoning with Quality Goals.
  - Feng-Lin Li, Lin Liu and John Mylopoulos |
| 12:00 | **Lunch (12:00-13:30)** |
| 13:30 - 15:00 | **Session 2: Process Improvement**
Chair: Tong Li (Beijing University of Technology, China)
Using i* with Scrum: An Initial Proposal
- Leonardo Berbare de Araujo and Fábio Levy Siqueira
- Jennifer Horkoff and Neil Maiden
- GrowingLeaf: Supporting Requirements Evolution over Time
  - Alicia M. Grubb, Gary Song and Marsha Chechik |
| 15:00 | **Coffee Break (15:00-15:30)** |
| 15:30 - 17:00 | **Session 3: Model Representation and Tools**
Chair: Lin Liu (Tsinghua University, China)
iStarJSON: A Lightweight Data-Format for i* Models
- Oscar Franco-Bedoya, David Ameller, Dolors Costal and Lidia López
- Consistency Analysis for User Requirements Notation Models.
  - Okhaide Akhipbe, Daniel Amyot, Amal Ahmed Anda, Lysanne Lessard and Daoyang Xiao
- Understanding Challenges and Tradeoffs in i* Tool Development
  - Tong Li, Alicia M. Grubb and Jennifer Horkoff |

**Tuesday, September 13, 2016**

**Friendship Hotel**

[Meeting Room No.5, Building No.8]

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>08:30 - 10:00</td>
<td><strong>Keynote:</strong> iStar 2.0: The i* Core Language and Experiences. Speaker: Dr. Jennifer Horkoff (City University London, UK) Chair: Yijun Yu (The Open University, UK)</td>
</tr>
</tbody>
</table>
| 10:00 | **Session 4: iStar 2.0**
Chair: Yijun Yu (The Open University, UK)
An Empirical Evaluation Roadmap for iStar 2.0
  - Lidia López, Fatma Başak Aydemir, Fabiano Dalpiaz and Jennifer Horkoff |
| 10:00 - 12:00 | **Session 5: Applications**
Chair: Eric Yu (University of Toronto, Canada)
A methodology for modeling Ambient Intelligence applications using i* framework
- Alejandro Guzman, Alicia Martinez, Fabio Vargas Agudelo, Hugo Estrada, Joaquin Perez and Javier Ortiz
- Managing i*-based Reusable Context Models Elements through a Semantic Repository
  - Karina Abad, Wilson Pérez and Juan Pablo Carvallo
- Aggregate Contribution of Decomposed Intentional Elements
  - Aprajita and Gunter Mussbacher |
| 12:00 | **Lunch (12:00-13:30)** |
| 13:30 - 15:00 | **Session 6: Short Presentations**
Chair: Anna Perini – Fondazione Bruno Kessler, Italy
Modelling Requirements for Content Recommendation Systems
- Sarah Bouraga, Ivan Jureta and Stéphane Faulkner
Applying Tropos modeling for smart mobility applications based on the FIWARE platform
- Hugo Estrada, Karen Najera, Blanca Vazquez, Alicia Martinez, Juan Carlos Téllez and Juan Jose Hierro
Towards iStarML 2.0: Closing Gaps from Evolved Requirements
- Carlos Cares and Lidia López
Social Threats Modelling with i*
  - Lin Liu, Eric Yu and Gul Jabeen |
| 15:00 | **Coffee Break (15:00-15:30)** |
| 15:30 - 17:00 | **Panel:** adopting iStar 2.0: How and Why
Xavier Franch (University Politècnica de Catalunya, Spain)
Julio Cesar Sampaio do Prado Leite (Pontificia Universidade Católica do Rio de Janeiro, Brazil)
Anna Perini (Fondazione Bruno Kessler, Italy)
Chair: Jennifer Horkoff (City University London, UK) |
| 17:00 | **Wrap-up and closing**
iStar 2016 organisers |
### WS07 - RELAW

#### Tuesday, September 13, 2016

**Friendship Hotel**  
[Meeting Room VIP, Building No.8]

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<tr>
<td>08:30</td>
<td>Welcome and Introductions</td>
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</table>
| 10:00  | Keynote: An Abstract Model for Sociotechnical Systems  
  Prof. Munindar P. Singh, Department of Computer Science  
  (North Carolina State University, USA)                     |
| 10:00  | Coffee Break (10:00-10:30)                  |
| 10:30  | Session 1: Traceability, Compliance, and Effectiveness in Industry  
  Establishing reusable requirements derived from laws and regulations for medical device development  
  Dagný Hauksdóttir, Brian Ritsing, Jens Christian Andersen and Niels Henrik Mortensen  
  Towards legal compliance in IT procurement planning in Brazil’s Federal Public Administration  
  Lamartine Barboza, Gilberto Cysneiros and Ricardo Souza  
  The Influence of Tax Incentive and Market Regulation Requirements on IT Companies: Empirical Evidence from the Brazilian Industry  
  Carlos Henrique Duarte  |
| 12:00  | Lunch (12:00-13:30)                         |
| 13:30  | Session 2: Modeling and Analysis            |
| 14:30  | Argumentation-based legal requirements engineering: The role of legal interpretation in requirements acquisition  
  Robert Murthi, Guido Boella, Joris Hulstijn and Lilo Humphreys  
  Normative Requirements in Sociotechnical Systems  
  Ozgur Kafali, Nirav Ajmeri and Munindar P. Singh  |
| 14:30  | Session 3a: Privacy Compliance              |
| 15:00  | Impacts of IoT Devices: A SmartTV Case Study  
  Richard Rutledge, Annie Antón and Aaron Massey Privacy  |
| 15:30  | Coffee Break (15:00-15:30)                  |
| 15:30  | Session 3b: Privacy Compliance              |
| 17:00  | Privacy Shielding by Design - A Strategies Case for Near-Compliance  
  Michael Colesky and Sepideh Ghanavati  |
|        | Panel Discussion                            |
|        | Closing RELAW                               |

### WS08 – RePa

#### Tuesday, September 13, 2016

**Friendship Hotel**  
[Meeting Room No.1, Building No.8]

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<tr>
<td>08:30</td>
<td>Welcome and Introduction</td>
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</table>
| 10:00  | Keynote: Capability Modelling as a Strategic Analysis Tool  
  Professor Peri Loucopoulos  |
| 10:00  | Coffee Break (10:00-10:30)                  |
| 10:30  | Session 1: Strategies for discovery and management of patterns  
  Extracting Requirements Patterns from Software Repositories  
  Roxana Portugal and Julio Cesar Sampaio Do Prado Leite  
  An Approach for Creating Sentence Patterns for Quality Requirements  
  Jonas Eckhardt, Andreas Vogelsang and Henning Femmer  
  An analysis pattern driven Requirements modelling method  
  Jingjing Ji and Rong Peng  |
| 12:00  | Lunch (12:00-13:30)                         |
| 13:30  | Session 2 – Value and Lessons learned from applying requirements patterns  
  Using Workflow Patterns to Model and Validate Service Requirements  
  Ye Wang, Bo Jiang and Ting Wang  
  A Stakeholder Contribution Pattern in Requirements Decision-Making; an Empirical Study in Enterprise Development  
  Feng Chen, Norah Pover and J.J. Collins  
  Using Safety Requirements Patterns to Elicit Requirements for Railway Interlocking Systems  
  Xiaohong Chen, Li Han, Jing Liu and Haiying Sun  |
| 15:00  | Coffee Break (15:00-15:30)                  |
| 15:30  | Working Session                              |
| 17:00  | Summary and Closing                          |
|        | Liping Zhao and Julio Cesar Sampaio do Prado Leite  |
### WS10 – IWSPM

**Tuesday, September 13, 2016**

**Friendship Hotel**  
[Meeting Room No.3, Building No.8]

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<tr>
<td>08:30</td>
<td><strong>Opening, the workshop overview</strong></td>
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</table>
| 10:00  | **Keynote:** Anyone can be a requirement analyst  
Chen Guangjing (Huawei Co.)  
Coffee Break (10:00-10:30) |
| 10:30  | A Process for Product and Service Definition  
David Callele and Krzysztof Wnuk  
Systematic Mapping of Technology-Enabled Product Innovations  
Samuel A. Fricker |
| 12:00  | Lunch (12:00-13:30)                                                     |
| 13:30  | What Are Practitioners Asking About Requirements Engineering?  
An Exploratory Analysis of Social Q&A Sites  
Zahra Shakeri Hossein Abad, Alex Shymka, Susant Pant, Ashley Currie and Guenther Ruhe  
Requirements Analysis and Management for Benefiting Openness (RAMBO)  
Johan Linåker and Krzysztof Wnuk |
| 15:00  | Coffee Break (15:00-15:30)                                             |
| 15:30  | **Open Discussion**                                                     |
| 17:00  | Closing                                                                |

### Location of Beijing Friendship Hotel

![Location of Beijing Friendship Hotel](image)

### Plan of Beijing Friendship Hotel

![Plan of Beijing Friendship Hotel](image)

1. Registration/Keynote  
2. Workshops  
3. OC/PC/RC Dinner  
4. Lunch  
5. Shuttle Bus Stop
**Shuttle bus between Friendship Hotel and Zhongguan Xinyuan Global Village and others**

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<th>Departure time</th>
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<tr>
<td>Monday</td>
<td>Gate of Building No.1 Beijing Friendship Hotel</td>
<td>Gate of Building No.1 Zhongguan Xinyuan Global Village</td>
<td>8:00</td>
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<tr>
<td>Monday</td>
<td>Gate of Building No.1 Zhongguan Xinyuan Global Village</td>
<td>Gate of Building No.1 Beijing Friendship Hotel</td>
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<tr>
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<td>Gate of Building No.1 Beijing Friendship Hotel</td>
<td>Gate of Building No.1 Zhongguan Xinyuan Global Village</td>
<td>8:00</td>
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<tr>
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<td>Gate of Building No.1 Beijing Friendship Hotel</td>
<td>Gate of Building No.1 Zhongguan Xinyuan Global Village</td>
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<tr>
<td>Tuesday</td>
<td>Gate of Building No.1 Zhongguan Xinyuan Global Village</td>
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<tr>
<td>Thursday</td>
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<td>Banquet</td>
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<tr>
<td>Thursday</td>
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### Conference Venue

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1. The location and useful information
2. How to get to

**The location and useful information**

The RE’16 conference will be held in Beijing Friendship Hotel. A card with brief information (both in Chinese and English) about the hotel is provided here. You can print it out and it would be useful when finding your ways to the conference venue.

- Location: 1 Zhongguancun South St. Beijing 100873, P.R. China (see also this map)
- Tel: +086 10 68498888
- Fax: +086 10 68498866
- E-mail: rd@BJfriendshiphotel.com

**Preparation**

Here are some links help you in preparation for your trip to China

- Apply for Visa
- Hotel Reservation
- Useful information

**How to get to**

**Airport**

There are direct flights to Beijing from around 18 European cities including Amsterdam, Berlin, Brussels, Budapest, Copenhagen, Frankfurt, Helsinki, Istanbul, Kiev, London, Madrid, Moscow, Munich, Paris, Rome, St Petersburg, Stockholm, and Vienna. For information on these and other connections, see the web site of Beijing Capital International Airport.

**Conference Venue**

Beijing Capital International Airport is located 32 km (20 mi) northeast of Beijing’s city center and is about 35km far from the conference venue. We suggest the following routes from the airport to conference venue:

#### By Bus:
- Take airport shuttle bus line 4 to Friendship Hotel;
- walk to the conference venue.
- Total fees: 24 RMB (24 RMB for airport shuttle bus)

#### By Subway:
- Take Airport Express line to Sanyuanqiao station;
- transfer to line 10 at Sanyuanqiao station, get to Haidianhuangzhuang station;
- transfer to line 4 at Haidianhuangzhuang station, get to Renmin University station;
- walk to the conference venue, about 8mins.
- Total fees: 30 RMB (25 RMB for Airport Express, 5 RMB for Subway)

#### By Taxi:
- Taxi from Beijing Airport Terminal 3 to the conference venue will cost about 110 RMB in the daytime or 150 RMB in the nighttime. In China, traditionally there is no tipping.

### Useful Information

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**Time Zone**

Time in China follows a single standard time of UTC+08:00, which is 8 hours ahead of Greenwich Mean Time.

**Payment**

Credit cards are usually not widely accepted, so we recommend changing some cash in advance. Please also remember to check whether you might need to activate your credit card before departure. By the way, the official name of the Chinese currency is Renminbi (RMB), but it is usually referred to as yuan.

**Language**

Chinese are the official language. It is better to ask the receptionist for a business card / directions to the hotel written in Chinese upon your arrival at the hotel, just in case you need to explain it to a taxi driver (who might not speak English). You can also download it here.

**Public Transports and Tickets**

You can find more public transport information in Beijing here

**Subway**

The Beijing Subway is a rapid transit rail network that serves the urban and suburban districts of Beijing municipality. The subway is the oldest metro system in mainland China. The first line opened in 1969, and it has grown to 17 lines, 227 stations and 456 km (283 mi) of track in operation, making it the second longest subway system in the world. Fares start at ¥3 for a trip up to 6 km in distance, with ¥1 added for the next 6 km, for every 10 km thereafter until the trip distance reaches 32 km, and for every 20 km beyond the first 32 km. For example, a 40 km trip would cost ¥7. The Airport Express cost ¥25 per ride. Riders can look up fares by checking fare schedules posted in stations, calling the subway hotline 96165, going to the Beijing Subway website, or using the subway’s smartphone app.

Children below 1.3 metres (51 in) in height ride for free when accompanied by a paying adult. Senior citizens over the age of 65, individuals with physical disabilities, retired revolutionary cadres, police and army veterans who had been wounded in action, military personnel and People’s Armed Police can ride the subway for free. ‘Take a Look at Beijing by Subway’ is an interactive animation made by the official site of Beijing Subway. This animation introduces many famous attractions near subway stations.

**Internet Access**

- Wifi
  
  Free WiFi is available at the conference venue. Details are available at the conference registration desk.

- Overseas Services and Websites
Some services/websites, like Google (including search, docs, maps, etc.), Dropbox and Twitter, can not be accessed directly in China. If you plan to use such kind of services or website, you may have to install a VPN and make sure you can get access to the services/websites through the VPN. In any case, please check and stick to the local legal constraints regarding the use of such and related services/websites.

Maps
Printed Maps
The printed Beijing map should be offered in the airport. You can also find the Beijing Map and Beijing Attraction Maps here and print them before you come to China.

E-Maps App
- Google Maps: Google map is not accessable in China. And we've tested that even a offline Beijing map is not provided in Google Maps.
- Beijing Travel Guide and Offline City Map: we find this english map app, which provides an offline map for Beijing. (APP in Apple Store, Google Play).

Electricity
The electricity is generally 220V, 50HZ, AC. A standard socket in China has two pins on the upper part and earthed three pins on the lower part. You may buy a portable plug adaptor at your home country or here in China. Most of your hotels in China offer free use of plug adaptors.

Phones and Emergency Numbers
The country code for China is +86. The area code of Beijing is 10. The prefix for international calls is 00. The following emergency numbers are used:
- Police Emergency: 110
- Fire Emergency: 119
- Ambulance Emergency: 120 or 999
- Beijing Friend Hotel (Conference Venue): +86 010 68498888

There are 3 mobile providers:
- China Mobile
- China Unicom
- China Telecom

Explore Beijing
To find more tourist information about Beijing here https://www.lonelyplanet.com/china/beijing

RE’16 Donors and Sponsors

We would like to take a moment to thank all the gracious donors and sponsors of RE’16.
RE’17: “Desperately Seeking Less”: The Role of Simplicity and Complementarity in Requirements

Ana Moreira and Joao Araujo in their role as the General co-Chairs, Barbara Paech and Jane Huffman in their role as the Program co-Chairs, and the whole team extend a warm invitation to next year’s edition of the RE conference.

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