



**25th IEEE International Requirements Engineering Conference**  
**September, 4-8, 2017**  
**Lisbon, Portugal**  
<http://re2017.org/>



## RE'17: "Desperately Seeking Less": The Role of Simplicity and Complementarity in Requirements

As stakeholders demand more and more features, systems become more and more complex. A challenge for the requirements engineering (RE) field is to ensure simplicity of requirements. Often the real needs are hidden beneath contextual knowledge, assumptions, inconsistencies, and even omissions. Our goal is to state requirements simply, to promote simpler designs and thus simpler systems. Similarly, we seek to apply the complementarity principle as we write requirements. Every concept has a complement or opposite: cause/effect, input/output, start/stop, etc. In RE, we study the system and the human. We seek ways to perform RE such that we allocate the tasks that require a human being's unique abilities to the humans and automate the other system tasks. Here is where the complementarity principle can come into play and drive our work. Our theme, *The Role of Simplicity and Complementarity in Requirements*, takes a step back after twenty-five years of RE conferences and asks: "How has complexity crept into our processes and techniques and system properties?" "How have tasks been split between computers and humans in the past?" Looking forward, our theme asks: "How can the simplicity and complementarity characteristics become mainstays as requirements engineers, business analysts, systems engineers, and requirements researchers move forward into the next 25 years?"

RE'17 will offer an extensive program of interest to academia, government and industry. It will include several distinguished keynote speakers and three conference days filled with research and industry papers, panels, posters, and demonstrations. We introduce a **new Data Track**: industry-relevant challenges will be posed and industrial artifacts, consisting of requirements, models and specifications, will be provided so that researchers can apply their techniques to these artifacts. The conference will also feature a series of exciting tutorials to develop skills in and advance awareness of RE practices of particular interest to industry. It will include two days of workshops and a doctoral symposium to offer forums for participants to present cutting-age techniques and approaches in particular fields.

### Call for Contributions

RE'17 invites original submissions of Research papers, RE@Next! papers, Industry papers, and Data Track papers in all areas of RE including elicitation, specification, modeling, analysis, verification and evolution. Categories of research papers include Technical Solution papers that describe and validate better solutions to requirements-related problems, Scientific Evaluation papers that evaluate existing problem situations, real-world artifacts or proposed solutions by scientific means, and Perspective papers that explore successes and challenges of requirements practices and research agendas or present research roadmaps, possibly derived from a literature review. RE@Next! papers are short communications that describe the current status of ongoing research. Industry papers report on the application of RE techniques in real-world settings, present problems or challenges encountered in practice and report on innovative approaches to RE practice in industrial or government settings. Data track papers are described above. RE'17 welcomes submissions also for workshops, tutorials, panels, interactive events, poster, tool demos and the doctoral symposium.

### Do you need help?

If you have never previously published at a major international RE conference, then you may be eligible for our mentoring program. Please check the RE'17 Website for further details.

### Explore Lisbon

The historical city of Lisbon, capital of Portugal, carries many colorful legends. With its Fado music, its colors and accent, Lisbon is a friendly and tolerant city by tradition. An amalgam of 2500 years of cultural influences mingles with modern trends and life style, creating intricate and spectacular contrasts. Known as the city of seven hills, Lisbon affords beautiful views of the majestic Tagus River. With its heart and soul in the Mediterranean and a history linked to the Atlantic, Lisbon is one of Europe's most intriguing cities. This is the city from where the great explorers set off to discover new continents in the 15th Century, and it continues as visionary and cosmopolitan to this day; its monuments and stunning architecture is now the backdrop to vibrant creativity, culture and business. With so much to offer, Lisbon gives a warm welcome to all RE '17 participants.

### Important dates:

Event	Data Available	Proposal	Notification	Abstract	Full paper	Notification	Camera ready
<b>Research and Industry Track</b>				2017/02/10	2017/02/17	2017/05/11	2017/06/19
<b>Data Track</b>	2016/10/17			2017/03/06	2017/03/13	2017/05/11	2017/06/19
<b>RE!Next</b>				2017/02/24	2017/03/03	2017/05/11	2017/06/19
<b>Doctoral Symposium</b>					2017/04/20	2017/05/03	2017/06/19
<b>Poster and Tool Demos</b>		2017/04/20	2017/05/03				2017/06/19
<b>Tutorials</b>		2017/03/17	2017/04/13				
<b>Panels &amp; other Interactive Events</b>		2017/06/19					
<b>Workshops</b>		2017/01/30	2017/02/21		2017/06/09	2017/06/30	2017/07/16

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