



A History of the International Requirements Engineering (RE) Conference

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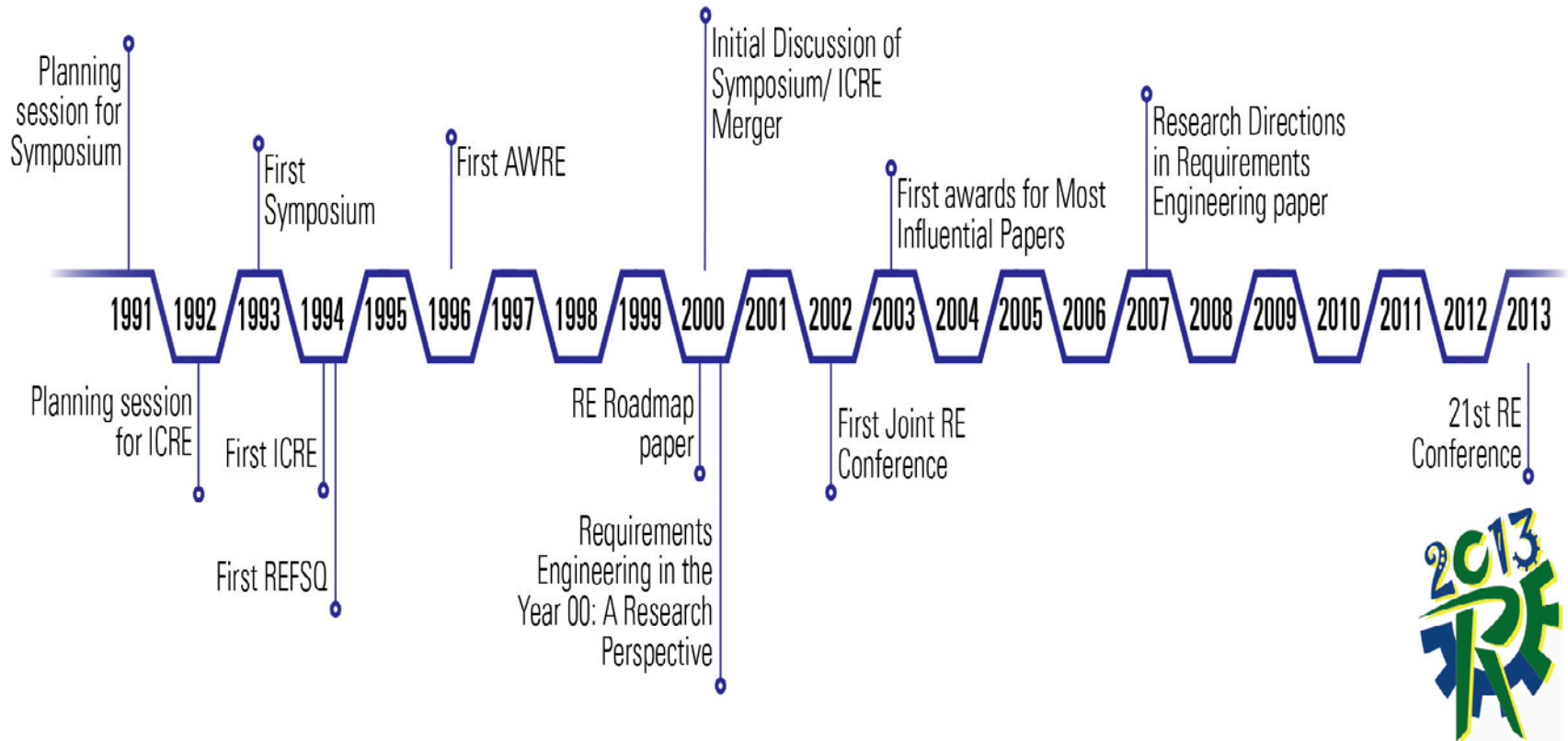
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Outline

1. RE Conference Timeline
2. Early Conference History and Merger
3. Conference Innovations
4. RE Roadmaps and Conference Challenges
5. Questions

RE Conference and Workshop Timeline





Early Conference History and Merger

Initial Requirements Engineering Conferences

- First International Symposium on Requirements Engineering held in 1993, with Anthony Finkelstein initiating the proposal and Steve Fickas quickly joining in.
- Bashar notes, *“Anthony and I received the hard copies of the submissions at Imperial, and I recall sorting them out in piles on the floor of Anthony's office to send on to PC [Program Committee] members for review.”*
- First International Conference on Requirements Engineering held in 1994 with Al Davis initiating the proposal and Carl Chang quickly joining in.

First Symposium and ICRE Locations



Hotel del Coronado

Cheyenne Mountain Resort



Motivation for the Conference Merger

- Two major conferences on the same topic created confusion among authors and attendees.
- It became difficult to get two sets of motivated volunteers, and many volunteers were involved with both conferences.
- The conferences had complementary aspects.

Conference Merger Details

- Initial discussions in 2000, formal merger in 2001, first joint conference in 2002.
- Joint Steering Committee, name change, logo, charter.
- Steering Committee member term limits.

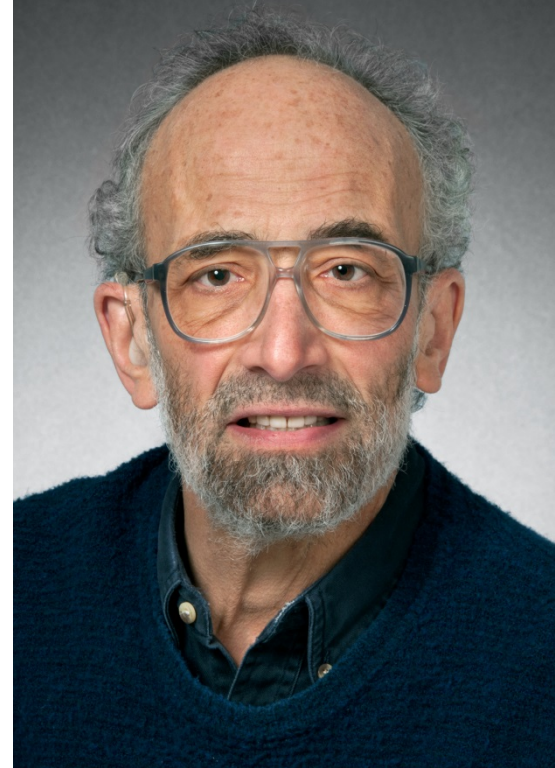
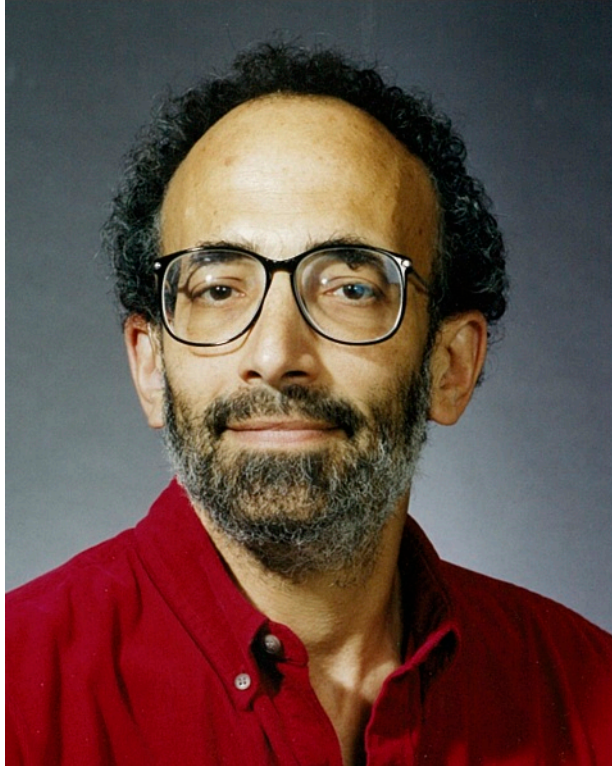
RE Steering Committee

Members	Term Expires
Nancy Mead (1998 GC [General Chair]) Current SC Chair	2003
Dan Berry (1998 PC)	2003
Kevin Ryan (1999 GC)	2004
Bill Robinson (1999 PC)	2004
Betty Cheng (2000 PC)	2005
Steve Easterbrook (2001 GC)	2006
Bashar Nuseibeh (2001 PC)	2006
Jawed Siddiqi (2002 GC)	2007
Klaus Pohl (2002 PC)	2007
Sol Greenspan (2002 GC)	2007
Eric Dubois (2002 PC)	2007
Roel Wieringa (2003 PC)	2007
Carl Chang (Additional Founding Member)	2004
Anthony Finkelstein (Additional Founding Member)	2004
Steve Fickas (Additional Founding Member)	2004

Carl Chang, Nancy Mead, Carl's daughter, 2012 in Izmir, Turkey



Dan Berry Mid-1990s and Recently



Keeping the RE History up to date is a tough job!

Klaus Pohl and Bashar Nuseibeh





Conference Innovations

Best Paper and Most Influential Paper Awards

Year	Category of Paper	Authors	Title of Paper
2003	Research (Best Paper)	Renaud De Landtsheer, Emmanuel Letier, and Axel van Lamsweerde	Deriving Tabular Event-Based Specifications from Goal-Oriented Requirements Models
	Experience	Robyn Lutz	Analyzing Software Requirements Errors in Safety-Critical, Embedded Systems
2004		Orlena C.Z. Gotel and Anthony C.W. Finkelstein	An Analysis of the Requirements Traceability Problem
2005		Steve Fickas and Martin Feather	Requirements Monitoring in Dynamic Environments
2006	Research	Annie Antón	Goal-Based Requirements Analysis
	Experience	Barry Boehm and Hoh In	Identifying Quality-Requirement Conflicts
2007		Eric Yu	Towards Modelling and Reasoning Support for Early-Phase Requirements Engineering
2008		Colin Potts	ScenIC: A Strategy for Inquiry-Driven Requirements Determination
2009		Neil A.M. Maiden and Cornelius Ncube	Acquiring COTS Software Selection Requirements
2010		Carl A. Gunter, Elsa L. Gunter, Michael Jackson, and Pamela Zave	A Reference Model for Requirements and Specifications
2011		Axel van Lamsweerde	Goal-Oriented Requirements Engineering: A Guided Tour (Mini-Tutorial)
2012		Matthias Weber and Joachim Weisbrod	Requirements Engineering in Automotive Development -- Experience and Challenges

Best and Most Influential Papers

- No specific pattern is observed when we look at the mix of papers.
- Both research and practice papers are among the selected papers.

Martin Glinz in a Serious Moment



Background for RE Program Board

Martin's observations:

- *40-50 people flying in from all over the globe for a two-day meeting.*
- *Many PC members actually spoke only two to three times during the whole meeting (when papers they had reviewed were discussed).*
- *Some PC members could not attend the conference because the PC meeting had used up their RE-related travel budget.*

Martin Needs Fortification as Program Chair, not to Mention SC Chair





RE Roadmaps and Conference Challenges

RE Roadmap Papers

- Roadmap paper published in 2000: Nuseibeh and Easterbrook identify the core requirements engineering activities as eliciting requirements, modeling and analyzing requirements, communicating requirements, agreeing [on] requirements, and evolving requirements.
- Cheng and Atlee's paper published in 2007 is a follow-on to the roadmap paper. They identify the primary requirements engineering tasks as elicitation, modeling, requirements analysis, validation and verification, and requirements management.

Ongoing Challenges

- Bridging the gap between research and practice.
- Getting experience/practice papers and reports.
- Getting industry attendance at the conference.



Questions?