

Welcome to Alaska and the 54th Meeting of WG 10.4!



WG 10.4 Workshop on Challenges and Directions in Dependability

Rick Schlichting

*Executive Director, Software Systems Research
AT&T Labs - Research*



Acknowledgments

Many thanks to:

- Jean Arlat, Farnam Jahanian, Luca Simoncini, Dan Siewiorek
- Participants who submitted proposals
- Everyone!

May You Live in Interesting Times.

Ancient Chinese Curse (or not)

Come gather 'round people
Wherever you roam
And admit that the waters
Around you have grown
And accept it that soon
You'll be drenched to the bone.
If your time to you
Is worth savin'
Then you better start swimmin'
Or you'll sink like a stone
For the times they are a-changin'.

Bob Dylan, The Times They are A-Changing, 1963

It was the best of times, it was the worst of times,
it was the age of wisdom, it was the age of
foolishness, it was the epoch of belief, it was the
epoch of incredulity, it was the season of Light, it
was the season of Darkness, it was the spring of
hope, it was the winter of despair

Charles Dickens, A Tale of Two Cities, 1859

Best of Times

DSN is successful

Issues are recognized by industry and society at large

Dependability is more mainstream

Progress in terminology

New and exciting technology domains

Worst of Times

DSN not thriving.

Dependability still too often viewed as an implicit or secondary concern.

Technical challenges/difficulty are rarely understood.

Many good papers in dependability going elsewhere.

Many good people who publish in DSN look elsewhere for their primary technical community.

Questions

How can we improve DSN?

How can we attract the best people/papers into the community?

How do we capture the hearts and minds of people, whether in the technical, funding, or governmental communities or in society at large?

Are we relevant to industry? At what time frame?

How can we remain in the forefront of dependability research as new application areas and technologies evolve?

Origins

Original plan for this WG meeting was to do a “research reports” only workshop.

Changed to “challenges and directions” format during last summer’s WG meeting in Edinburgh.

10 years since we had had a WG meeting with a similar theme (Garmisch, Winter 1997; Tegernsee, Summer 1998).

Workshop Goals

Identify and discuss issues, directions, trends, etc

Both technical and community issues.

On technical side, focus on problems more than solutions.

On DSN side, focus on idea generation. *Not* here to make decisions about DSN.

Discussion, discussion, discussion!!!

Workshop Structure

4 types of sessions

- Forward looking technical issues
 - How the World is Changing
 - Challenges
 - Opportunities
- DSN trends and directions
- Open Response
- Final thoughts/conclusions.

Focused but with opportunity to go beyond if desired.

Some (many?) topics worthy of discussion left out, e.g.,

- Education
- Funding
- Industrial outreach

Open Response Mechanics

Sign up for an slot (with title if possible)

5-10 minutes (3 slides)

Create discussion!



at&t

Your world. Delivered.

Thank You!