

90th IFIP WG 10.4 Meeting Charlotte, NC, USA June 25 - 28, 2026

Business Meeting



1

1

90th WG Meeting – Participants

- 33 participants
 - Asia: 1
 - Europe: 6
 - North America: 25
 - South America: 1
 - Oceania: 0
- 11 members
- 22 guests

Thanks everyone!

2

2

Agenda

- DSN 2026, DSN 2027, DSN 2028
 - Related Conferences
 - JCL Award 2026
 - WG Meetings
 - Communications and Outreach
-
- Second part - restricted to members of the WG!

3

3



Bojan Cukic, Marco Vieira

4

REGISTRATIONS

207

Full Conference

15

Workshops /
Tutorials

10

Volunteers

222

Total

5

Workshop Day – June 22

7 workshops

CRAI 2026 – Composable Resilience for Agentic AI

DSAS 2026 – Dependable and Secure Autonomous Systems

DSML 2026 – Dependable and Secure Machine Learning

DT4DRS 2026 – Digital Twins for Systems Dependability

FORCE 2026 – Foundations of Reliable Classical-Quantum Engineering

HAP 2026 – Holistic Architecture for Privacy in Clouds, Edges, and IoT

RASACC 2026 – Resiliency for Autonomous Systems Across the Continuum

6

Workshop Day – June 22

5 Tutorials

Fault Injection for ML Applications: From DNNs to LLMs

Securing Your Airspace: Interplay Between Cybersecurity, Sensing, and Safety

Confidential Computing: Fundamentals, Platforms, and Research

RESIST: Resilience against Silent Silicon Threats - A Cross-Layer Perspective

Preventing Human Errors for Dependable Computer System Design

7

Program Highlights – June 23–25

3 Keynotes

Michael Reiter, On the Dependability of ML for Security-Related Tasks

Pradip Bose, Robust Power Management in AI-Centric Systems

Bernard McShea, Self-Healing Mechanisms to Safeguard Critical Firmware Infrastructure

4 Parallel Tracks

Research Track

Industry Track

Disrupt 26

Doctoral Forum

Posters

8

Program Highlights – June 23–25

Special Events

Test-of-Time Award
Jean-Claude Laprie Award
Rising Star Award
William Carter Award
Mentoring Program



9

A promotional graphic for the DSN 2027 and IFIP meeting 2027. The background is a photograph of a large, circular glass dome structure, likely the interior of a modern building. Overlaid on the image is the following text in yellow:

DSN 2027
22-25 June 2027
IFIP meeting
19-21 June 2027
Katinka Wolter
Marco Paolieri

At the bottom left, there is a yellow rectangular box with the word "Berlin" in black. In the center bottom, there are two small portrait photographs of Katinka Wolter and Marco Paolieri. At the bottom right, there is a white rectangular box containing the text "Freie Universität" on the left, the Freie Universität Berlin logo in the center, and "Berlin" on the right.

10

Reasons to visit Berlin

A few touristic highlights: Brandenburg Gate



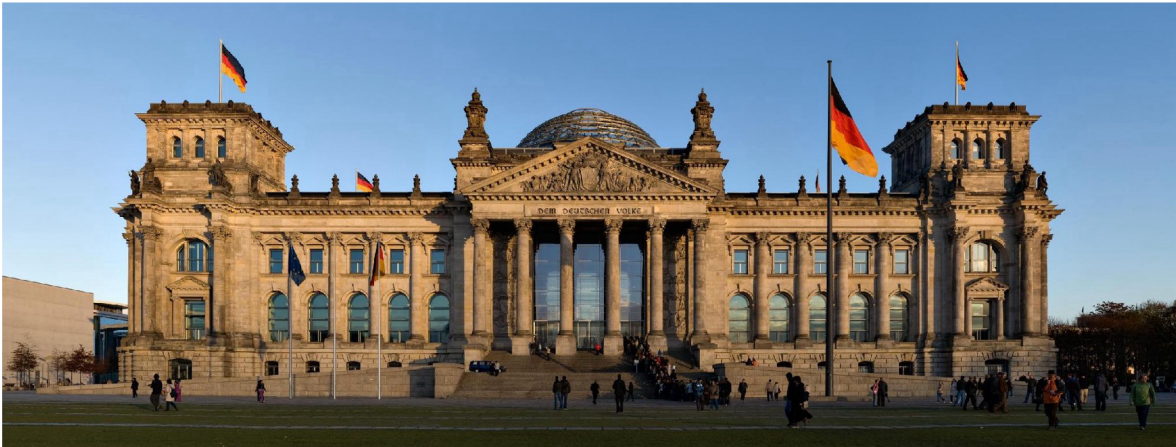
11

Tiergarten park with victory column



12

Parliament in Reichstag building



We can visit the cupola

13

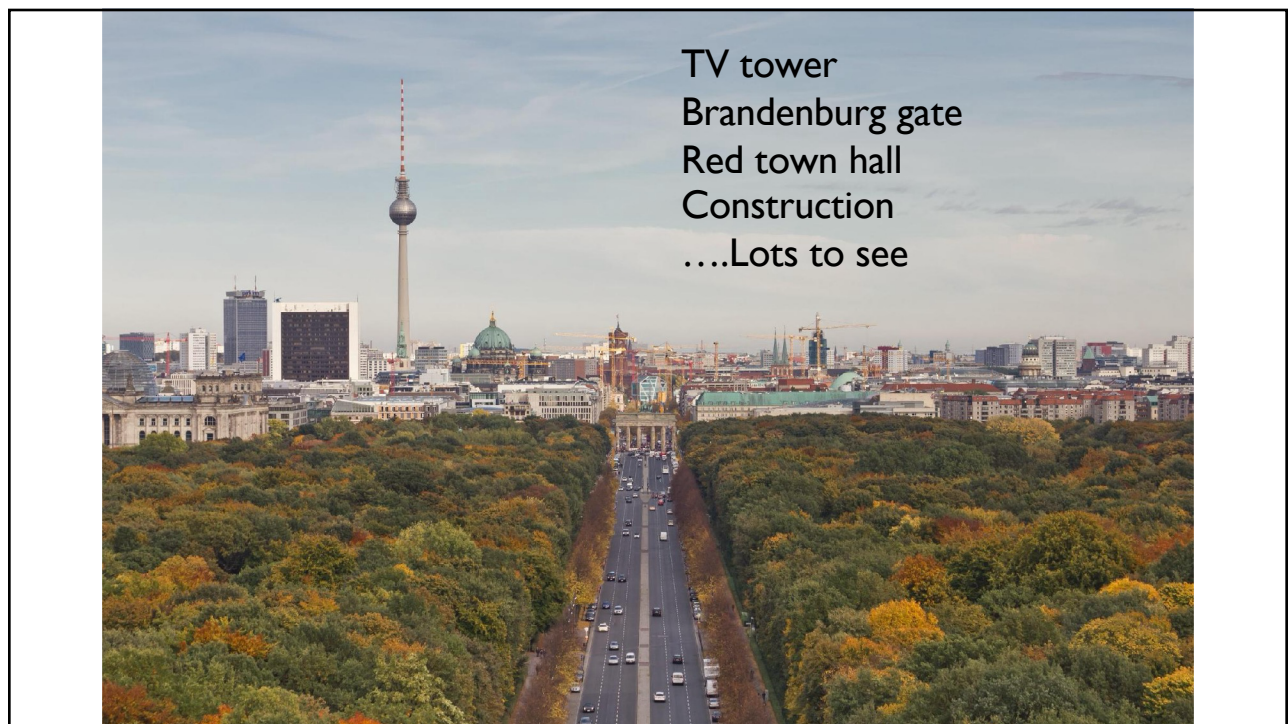
History:
The Berlin wall



14



15

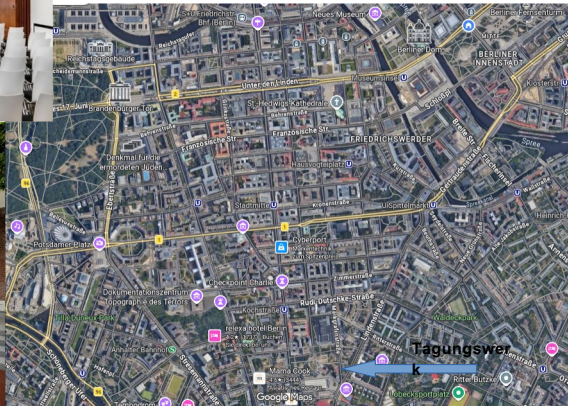


16

DSN Venue: 22nd – 25th June, 2027 Tagungswerk Berlin



- Centrally located, close to Checkpoint Charlie
- With outdoor space
- Enough rooms
- Affordable hotels nearby



17

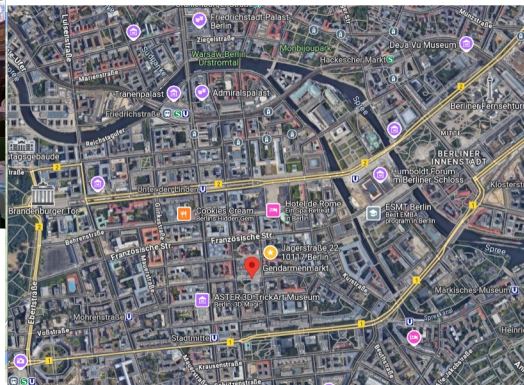
Possible venues for the social event

1. Französische Friedrichstadtkirche Large

Hall, on Gendarmenmarkt

2. Academy of the sciences for reception, also

On Gendarmenmarkt



18

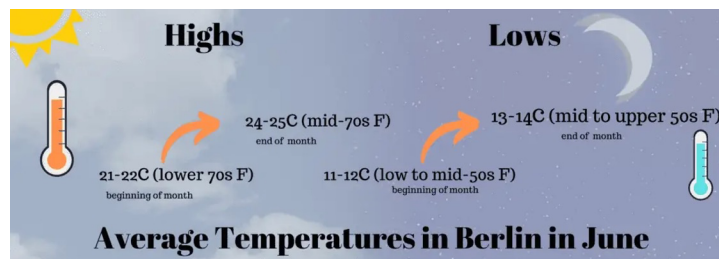
Possible Excursions

1. Charlottenburg palace
2. Brewery in Prenzlauer Berg
3. Sanssouci palace in Potsdam

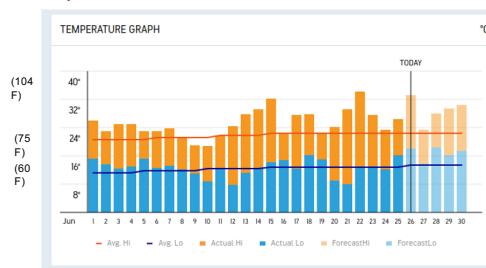


19

Weather in June



June 2025, also normal:



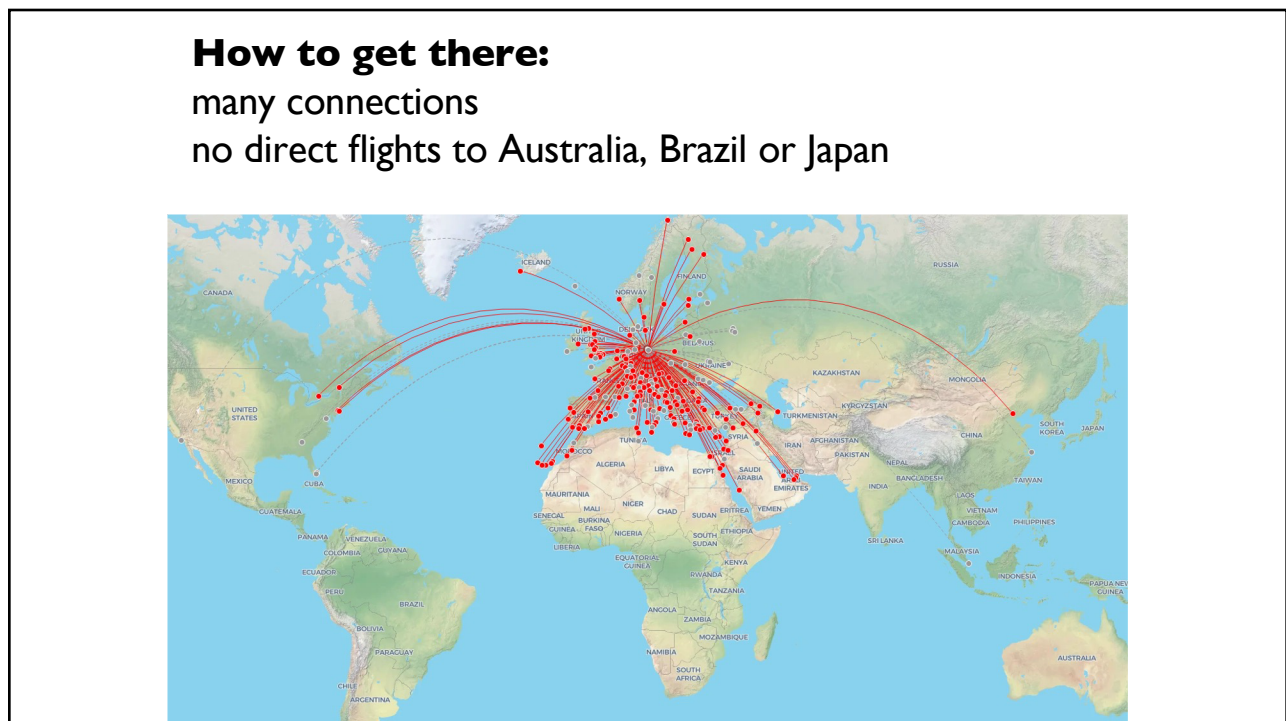
One of the many parks in June:



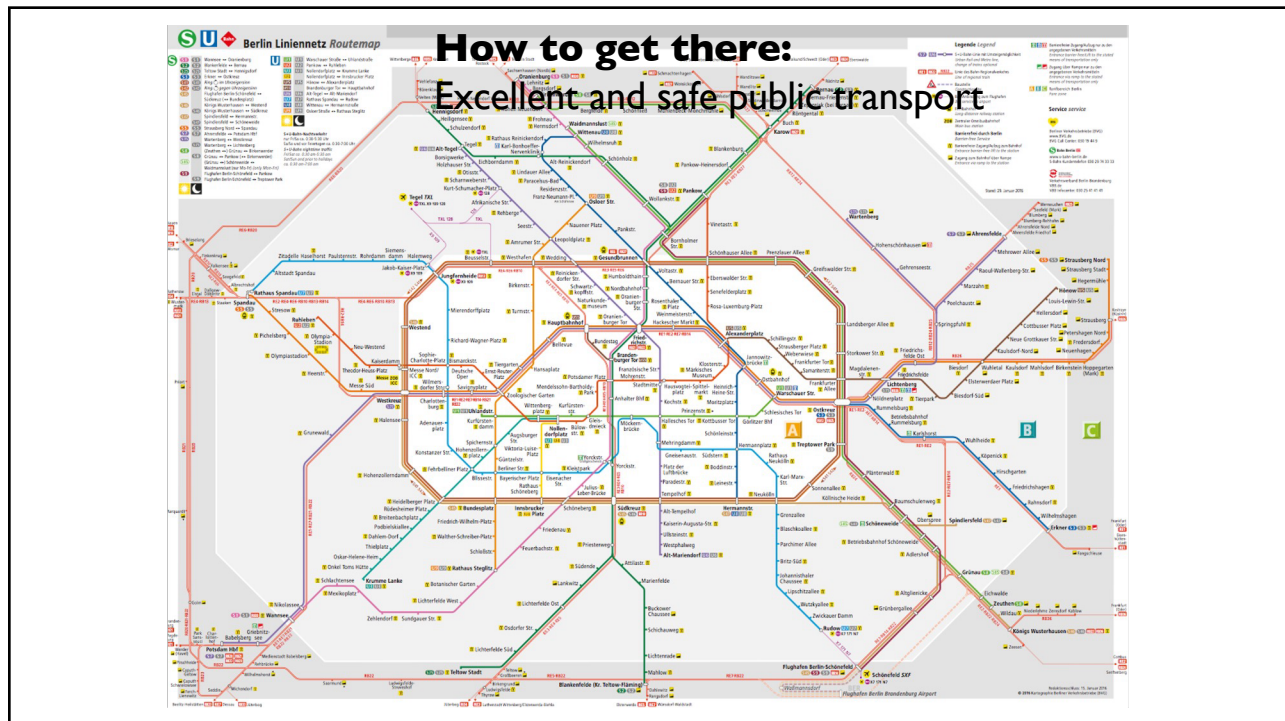
20



21



22



23

spread the word ...



24



25



26

Hosting DSN in China

- ▶ The IEEE/IFIP International Conference on Dependable Systems and Networks (DSN) has not been held in mainland China yet
- ▶ There are many professors and researchers working on dependability and security in China
- ▶ Hosting DSN in mainland China will greatly boost the DSN reputation in China and attract huge contributions from professors and researchers in China
 - ▶ Enhancing the dependability research and the impact of DSN in China

27

Hosting DSN in Shenzhen

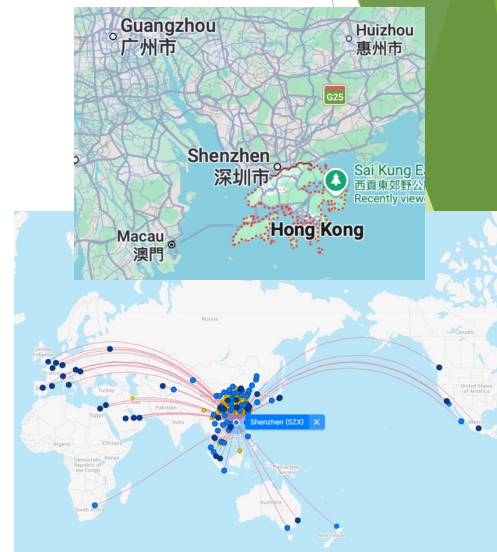
- ▶ Shenzhen is the first Special Economic Zone (SEZ) of China
 - ▶ 3rd-largest city by GDP (after Shanghai and Beijing) and 6th-largest city by population in mainland China
 - ▶ Adjacent to Hong Kong
 - ▶ Located along the South China Sea
- ▶ Home to leading technology companies with strong ecosystem in ICT, AI, and intelligent manufacturing
 - ▶ Tencent, Huawei, BYD, DJI and ZTE
- ▶ A modernized and internationalized city
 - ▶ Modern buildings and skyscrapers, e.g. Ping An Finance Centre, Shenzhen Bay CBD, etc.
- ▶ Many top universities and research institutions
 - ▶ Tsinghua University (Shenzhen campus), Peking University (Shenzhen), Southern University of Science and Technology (SUSTech), Harbin Institute of Technology (Shenzhen), Shenzhen University (SZU), etc.



28

Transportation to Shenzhen is Convenient

- ▶ Excellent international accessibility via Hong Kong Airport and Shenzhen Airport
 - ▶ Hundreds of flights directly connect Shenzhen to many countries
- ▶ Convenient transport network between Shenzhen and Hong Kong
 - ▶ 14-minute high-speed rail connection
 - ▶ 30-minute ferry
 - ▶ Multiple highways
 - ▶ 40-60 minutes from Hong Kong Airport to Shenzhen
 - ▶ Participants arriving via Hong Kong International Airport may take cross-border coach or limousine services to Shenzhen, subject to valid Mainland China entry eligibility.



29

240-Hour Visa-Free Transit Policy of China

- ▶ 240-hour (10-day) visa-free policy for visitors from most major countries
 - ▶ Covering 54 countries, including USA, Canada, UK, France, Germany, Portugal, Spain, Brazil, Netherlands, Australia, and many other countries
 - ▶ The official policy and complete country list are at this China government official website
 - ▶ https://english.www.gov.cn/news/202412/17/content_WS6760ead6c6d0868f4e8ee0c1.html?utm_source=chatgpt.com
- ▶ Entry through Shenzhen Bao'an International Airport (SZX) qualifies for the policy

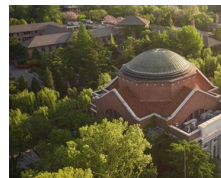
List of Ports and Allowed Areas for Visa-Free Transit Travelers under the 240-Hour Visa-Free Transit Policy

Visa-free transit travelers can make cross-province visits in the allowed areas for them in 24 provinces (autonomous regions and municipalities) for 240 hours			
S/N	Provinces (Autonomous Regions and Municipalities)	Eligible Port	Permitted Stay Areas
1	Beijing	Beijing Capital International Airport	Beijing Municipality
2		Beijing Daxing International Airport	
39	Guangdong	Guangzhou Baiyun International Airport	Guangdong Province (Exits available at all open ports across the province)
40		Shenzhen Bao'an International Airport	
41		Jieyang Chaoshan International Airport	
42		Nansha Port (Passenger)	
43	Hainan	Shenkou Port (Passenger)	Hainan Province
44		Haikou Meilan International Airport	
45		Sanya Phoenix International Airport	

30

Host Institution: Tsinghua University

- ▶ One of the premier universities in China, and highly prestigious in the world
 - ▶ Top 20 in QS ranking
- ▶ Its programs of computer science and computer engineering are one of the best in China and in the world
- ▶ Tsinghua University has a Shenzhen campus
 - ▶ supporting local organization and academic collaboration



31

General Co-Chairs

- | | |
|--|---|
| <ul style="list-style-type: none"> ▶ Prof. Long Wang <ul style="list-style-type: none"> ▶ Associate Professor at Institute for Network Sciences and Cyberspace (INSC) of Tsinghua University ▶ Research interests include reliability and security of networks and systems <ul style="list-style-type: none"> ▶ Leading the REliability And Security Of Networks and Systems (REASONS) Lab | <ul style="list-style-type: none"> ▶ Prof. Mingwei Xu <ul style="list-style-type: none"> ▶ Full Professor ▶ Dean of Institute for Network Sciences and Cyberspace (INSC) of Tsinghua University ▶ Research interests include computer network and network security |
|--|---|



32

Conference Venue Candidates

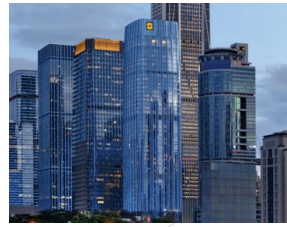
► InterContinental Shenzhen - IHG

- + Near Shenzhen's high-tech parks and universities
- + Spacious ground-level conference facilities
- +/- Resort-style atmosphere may feel less formal



► Futian Shangri-La Shenzhen

- + Located in Shenzhen's CBD
- + Large luxury conference hotel with strong accommodation and meeting capacity
- + Formal, business-oriented setting for an international conference
- - Weaker connection to Shenzhen's university and high-tech ecosystem



33

Organization

► Accommodation

- Plenty of hotels near the conference venue
- Expense priced in US Dollars is inexpensive (\$120-200 for 5-star hotels and \$60-100 for 3-star ones)

► Potential industry sponsors

- Huawei, ByteDance, Alibaba, Tencent, China Telecommunication, Xiaomi, Netease, etc.

34





清华大学
 Tsinghua University

Banquet & Excursions: Experience Shenzhen

- ▶ **Cruise & Banquet: Greater Bay Area Evening Cruise**
 - ▶ A luxury 3-hour evening voyage aboard the “Greater Bay Area No. 1” sightseeing vessel
 - ▶ Sailing across Shenzhen Bay with stunning neon views of the skyline and the Hong Kong-Shenzhen Western Corridor
 - ▶ Premium Cantonese cuisine
- ▶ **Excursion Options**
 - ▶ Culture & Nature Excursion
 - ▶ Option 1: Splendid China Folk Village — Explore miniature replicas of China's iconic landmarks and experience 56 ethnic cultures in one park
 - ▶ Option 2: Shenzhen Bay Park — A world-class coastal park offering a 13km seaside walk and bird-watching experiences
 - ▶ High-Tech Innovation Tour
 - ▶ Option 3: Potential visits to the headquarters of global leaders like Tencent or DJI






35





清华大学
 Tsinghua University

Conference Dates

- ▶ What should be considered for date selection?
- ▶ Which ones are good?
 - ▶ June 19-22, 2028, Monday-Thursday
 - ▶ June 26-29, 2028, Monday-Thursday
 - ▶ July 03-06, 2028, Monday-Thursday

36

Next Steps

- ▶ Finalize venue and conference dates
- ▶ Decide plan details
- ▶ Start sponsorship outreach and prepare the conference website

37

Related Conferences

- ISSRE 2026
 - Limassol, Cyprus
 - October 20-23
- EDCC 2026
 - Canterbury, UK
 - April 7-10
- SAFECOMP 2026
 - Valencia, Spain
 - September 22-25
- PRDC 2026
 - ?
- LADC 2026
 - Salvador, Brazil
 - November 24-27
- SRDS 2026
 - Rome, Italy
 - September 21-25

38

38

DSN-2026 JCL Award

- Chair:

- Wilfried Steiner, TTTech, Austria

- Members:

- Yair Amir, Johns Hopkins University, USA
- Andrea Bondavalli, University of Florence, Italy
- Xavier Défago, Institute of Science Tokyo, Japan
- Elias Duarte, Federal University of Paraná, Curitiba, Brazil
- Mohamed Kaaniche, LAAS-CNRS, France

- 8 papers nominated

39

Winner of the 2026 JCL Award

Orthogonal Defect Classification – A Concept for In-Process Measurements

Ram Chillarege, Inderpal S. Bhandari, Jarir K. Chaar, Michael J. Halliday, Diane S. Moebus, Bonnie K. Ray, and Man-Yuen Wong.

1992. IEEE Transactions on Software Engineering, 18(11), 943-956.

<https://doi.org/10.1109/32.177364>

... the first paper to demonstrate how defects can be used as in-process measurements to make software development measurable and controllable (...) The paper bridged the gap by introducing a classification scheme and a corresponding framework for defect types and defect triggers, making it easy for software engineers to correctly identify the most likely class (...) Since its publication, Orthogonal Defect Classification (ODC) has had a tremendous impact on industry, driving improvements in efficiency and reliability. Indeed, it has demonstrated significant, sometimes dramatic improvements in productivity and efficiency, and many companies have highlighted the impact of ODC on their developments (...) ODC has also had a significant scientific impact, with about 1,200 citations according to Google Scholar...

40

WG Meetings: Locations & Organizers

- Winter 2027 – Shizuoka, Japan
 - Xavier Défago, Naohiro Hayashibara, Fumio Machida
- Summer 2027 – Berlin, Germany (together with DSN 2027)
 - Katinka Wolter
- Winter 2028 – Corsica, France (tentative)
 - Sonia Ben Mokhtar
- Summer 2028 – China
 - Long Wang

41

41

Winter Meeting 2027

► Location

- **Atami**, Shizuoka, Japan
地球 日本 静岡県 熱海

► Dates

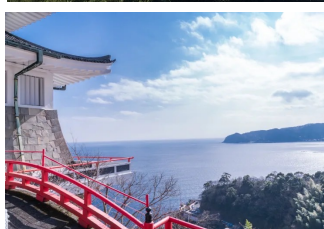
- **January 10-13, 2027**

► Organizers

- Xavier Défago (*Science Tokyo*)
- Naohiro Hayashibara (*Kyoto Sangyo U*)

► Technical Workshop (

- dependable robotics / CPS
- (possibly: traceability)



source: National Diet Library (Japan)

42

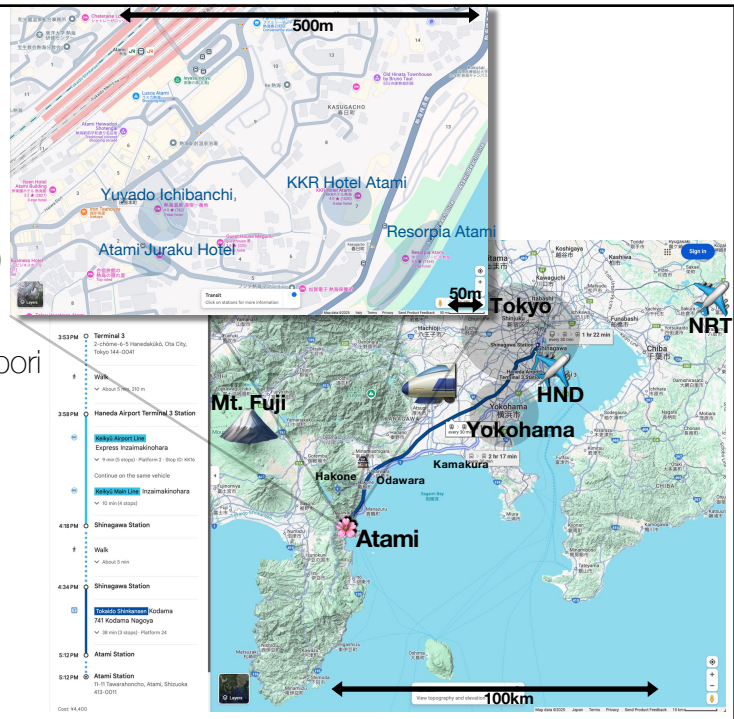
Access

► By Plane

- via Tokyo **Haneda** Airport; ~€26
 - 1h20 (Keikyu L.ine + Shinkansen via Shinagawa)
- via Tokyo **Narita** Airport; ~€40
 - 2h00 (Keisei Skyliner + Keihin-Tohoku Line via Nippori + Shinkansen via Tokyo)

► By Train

- Shinkansen (~€20)
 - Tokyo (36'), Shinagawa (30'),
 - Shin-Yokohama (28')
- JR Tokaido Line (~€8)
 - Yokohama (1h20')



43

Venue: Hotel New Akao

► URL

- <https://hotel-new-akao.com/en/>

► Attractions

- Atami Plum Garden; Plum Festival;
- Early/mid plum blossoms (🌸)
- Thermal spa (onsen 🌋)
- Kinomiya Shrine;



► Typ. Weather (mid-January)

- Avg. Temp.: low **3°C**;
high **11°C**
- Precipitation: quite rare

44

Tentative Program Outline

- **Technical Workshop** (*tentative*)
 - dependable robotics / CPS
 - possibly include one session on:
blockchain, traceability, energy trading, micro-grid, smart-grid
- **Program Schedule**
 - similar to summer meeting:
 - 4 sessions = 8 talks (4 invited talks; 4 members talks)
 - 1 panel session by rapporteurs
 - 1 research report session
 - 1 business meeting
 - 1 welcome reception; one banquet; one excursion/outing/activity
 - starts with welcome reception (10th) and ends with lunch (13th)

45

IFIP WG 10.4 Summer 2027 Berlin, Germany

Katinka Wolter

46

IFIP meeting 19th - 21st June 2027

Schwanenwerder Island

Scenic location close to public transport

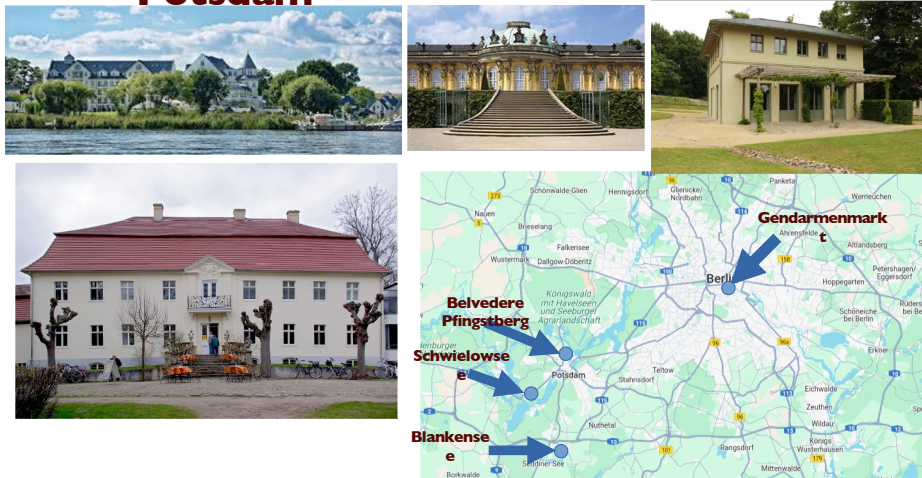


47

Excursions during for IFIP meeting

Explore:

- 1. Kloster Lehnin**
- 2. Sans Souci**
- Potsdam**



48

Communication and Outreach Committee

IFIP WG 10.4 – May 2026

Members: Homa Alemzadeh, Antonio Casimiro, Andrea Ceccarelli, Marcus Völp, Jiangshan Yu

49

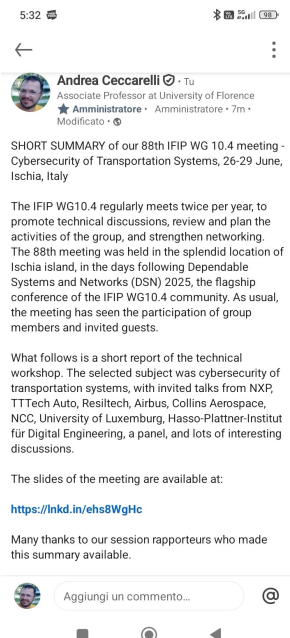
Activities in the last year focused on trying to promote the linkedin group

Starting last meeting, a workshop
summary (also on IFIP WG web site)

We try to repeat this
with the help of rapporteurs

Workshop Summary

88th IFIP WG 10.4 Meeting - Workshop Summary
Andrea Ceccarelli, University of Florence, IT
Marcus Voelp, University of Luxembourg, LU
Wilfried Steiner, TTech, AT



50

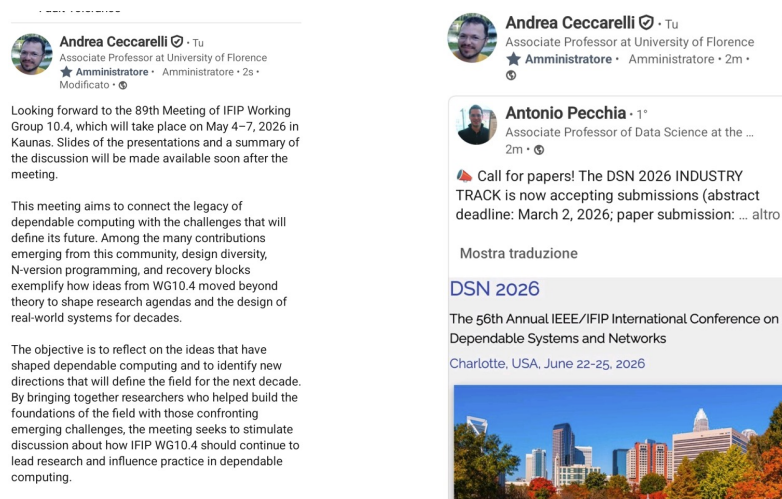
Activities in the last year focused on trying to promote the linkedin group

“Presentation” from new members
(thank you for providing the information)



51

“Usual stuff” posts



52

How can I help on this matter?

1. Promote the linkedin web page amongst your contacts

113 members

Including Luca Simoncini and 58 other connections



Invite connections



click here 😊

2. When you have any item (initiatives, awards, events, talks, ...) you may want to promote, you can either

- publish it directly on WG linkedin
- (ask to) repost on WG linkedin
- upload the text on the google form
- send me the text

WG Highlights. With these posts, we aim to periodically disseminate activities of the IFIP WG10.4 members. Contributions are provided directly by members on a voluntary basis.

Congratulations to Jay Lala for his participation to the "Technology Talks Austria 2025", following invitation by Honorable Minister Peter Herke, Federal Minister for Innovation, Mobility and Infrastructure, Republic of Austria. This two day event serves as Austria's premier international platform for shaping the debate around research, engineering, technology, and innovation in pursuit of a stronger, more competitive European economy. Jay had the pleasure of serving on the Panel on Productivity and Digitization along with an august group of international experts.

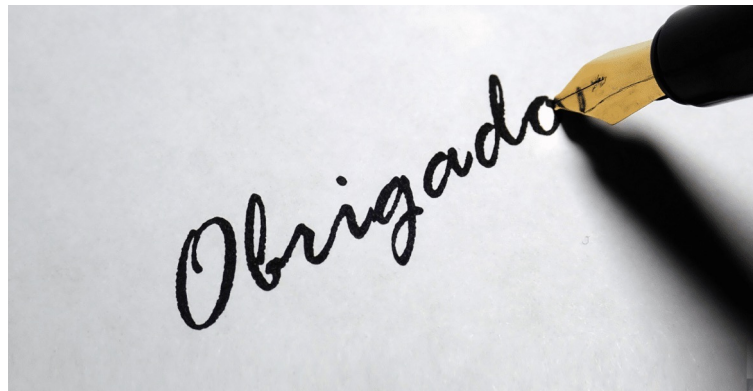
Mostra traduzione



53

Second part

Restricted to members of the WG!



54