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31st EuroSPI Conference

EuroSPI² 2024 (4 - 6 September 2024) will have 10 international thematic workshop streams supported by thematic topic communities and the ICSSP (International System and Software Process Association) conference will take place as a co-located partner event. Each thematic stream integrates both, research sessions and industry / applied science sessions. The thematic streams will be a mix of pitch talks provoking discussions, full presentations and panel discussions which will focus on specific questions of interest.

EuroSPI 2024
Munich, Germany & online

‹ ›

Newsflash   *Early* Registration till 30 July 2024 (changed to 4 August 2024)   ‹ ›

Conference Program

- 10 international thematic streams in 3 days addressing hot topics
- Research and Industry combined in each thematic stream
- international key notes
- 50+ pitches or presentations from leading industry and leading research institutes
- Social Events in Munich, Germany

Read More

Registration

- You can participate online and onsite, online participation has a reduced fee.
- You may book one day, two days or all 3 days and select the preferred workshop streams of the day.
- The registration includes proceedings, coffee breaks, lunch, and social event.
- Pay with Mastercard, VISA and Paypal.
- Don't miss early registration!

Go to Registration

Paper Submission

Research papers and **Thematic Industry/ Applied Science** papers shall be 8-12 pages, and address the topics in the call. Extended papers will be invited for submission to cooperating journals. WILEY Journal of Software: Evolution and Process (Best Practices), IET Software (Gamification), JUCS (Cybersecurity).

Read More

Location

Hochschule München (https:// www.hm.edu/)
Lotstraße 64
(Room Plan will be announced)
80335 München
Germany

Read More

Call for Research and Thematic Papers (Workshop Papers)

EuroSPI² 2024 (4 - 6 September 2024) will have 10 international thematic workshop streams supported by thematic topic communities. Each thematic stream integrates both, research sessions and industry / applied science sessions. The thematic streams will be a mix of pitch talks provoking discussions, full presentations and panel discussions which will focus on specific questions of interest. This year you can also submit papers to the partnering co-event of ICSSP.

For the CALL FOR PAPERS click here...

For the PAPER SUBMISSION page click here...

Remember the Submission DEADLINE: 22 March 2024!

EuroSPI Publishers

SPRINGER publishes a book series with EuroSPI since 2003 and there were more than 676000 downloads so far. The latest SPRINGER online-book is available here!
WILEY publishes an annual EuroSPI volume with 10 selected experience papers in the Wiley Journal of SW Evolution and Process Series. For the 20th anniversary, in 2013, Wiley has created an entry page for EuroSPI as a library.

Extended papers can be submitted to cooperating journals, with a separate call at the web site.

read more...

EUROSPI Social Media & Networking

EuroSPI has a tradition of social events which introduce attendees to the history, culture and food of the region hosting the event. Impressions, videos and photos of the last years can be viewed on our website and on YouTube.

Click here to view last years photos.

YouTube: https://www.youtube.com/channel/UCIQfOm8-ycv8gY2BuuhKDMQ/

Instagram: https://www.instagram.com/eurospi/

Top Reasons for Attending EuroPI² 2024

1   Published Papers

If accepted, your paper will be published in the Springer CCIS Series (research papers and industry / applied science papers). Selected extended papers will be published in the Wiley Journal of Software: Evolution and Process Series (selected experience papers). Further extended papers will be invited to cooperating journals.

2   Highly Recognized Key Notes

Hot topics like future quality initiatives and global development strategies are discussed with highly recognized key notes.

3   Paper Awards

Together with the LERO (Irish SW research center) a Prof. Rory O Connor best paper award is given annually, with a price of 500 Euro. Together with the ASQ (American Socienty of Quality) a best paper award is given.

4   Networking Opportunities

EuroSPI² attracts both the research and the industry community and offers a networking opportunity where researcher meet industry and vice versa. This facilitates the implementation of new ideas.
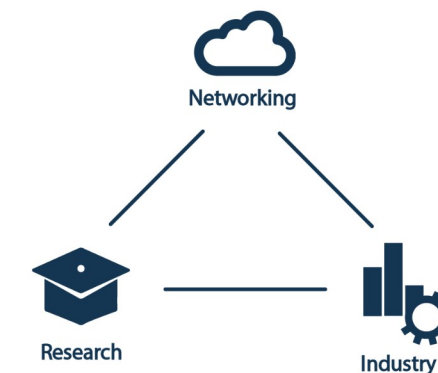
5   Present, Discuss and Publish

EuroSPI² opens you a chance to present, discuss and publish new approaches for process improvement and innovation.

6   Business & Research Partners Gathering

You can meet business and research partners in an open social space at the EuroSPI² social event.

7   INTACS and VDA Recognized Event

INTACS and the German Automotive Association (VDA) recognize conference participation for the collection of experience evidences for ISO 15504 Assessors.
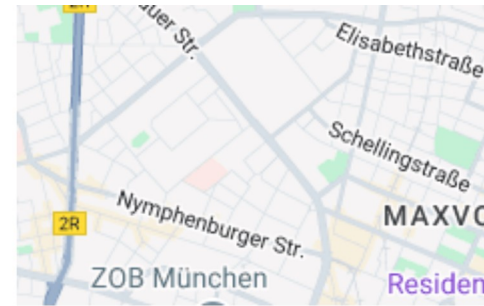
Publishers

Topics

Location

Contact Us!

Emerging New Approaches to SW Engineering -

EuroSPI Certificates & Services GesmbH
EuroAsiaSPI² 2024 Registration Office

E-Mobility & Digitilisation - SPI Manifesto - Functional Safety - Cybersecurity - Agile & Lean - Standards & Assessments - Team Skills and Diversity - Innovation - Virtual & Augmented Reality - Medical Big Data, IT Systems, and Standards - New Ideas and Proposals

Hochschule München, München, Germany

Email: rmess@iscn.com

Karl-Morre-Straße 86/6

8020 Graz

AUSTRIA

Local contact information »

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— Conference Programme ⌄

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Newsflash   *Early* Registration till 30 July 2024 (changed to 4 August 2024)   ‹ ›

Conference Programme

The 2024 conference program has been published. See below!

EuroSPI² 2024 (4 - 6 September 2024) has 9 international thematic workshop streams supported by thematic topic communities. Each thematic stream integrates both, research sessions and industry / applied science sessions. The thematic streams are a mix of talks provoking discussions, full presentations and panel discussions which focus on specific questions of interest. In addition there is a half day about new research and industry project and funding proposal ideas. Some streams run longer than one day depending on the size of the community and contributions.

Each thematic workshop covers specific thematic topics and **mixes research and industry presentations/discussions on that specific topic.**

Associated Technology Day - Pre-Conference Event (2 September 2024)

The associated technology day is a half day online event on 2 September 2024, with key note speakers presenting most recent developments. It can be attended free of cost. A link to the online conference will be published and the access to the presentations and discussions will be free. There are **key note presentations** and content based **webinar sessions**. Key note sessions are from leading industry or experts, and webinar sessions are presenting first and then using tools to which attendees can access in a gamified scenario. **This pre-conference event on 2 September 2024 is free of cost.**

See the technology day page.

The EuroSPI 2024 Program (Joint EuroSPI and ICSSP 2024 event)

The conference has 5 parallel streams. This year the ISSPA joins forces and the ICSSP conference will form a 5th stream of the EuroSPI conferebce. Attendees register for the whole event and can attend EuroSPI as well as the ICSSP stream. Each stream contains a mix of research and industry/applied science papers/presentations. Also each stream contains a mix of pitch talks (show key message and discuss) and full presentations. Also there will be one special session for discussing new funding proposals and finding partners for ideas. The future conference strategy of EuroSPI² is to gather core topics and build communities around the core thematic topics. Leading industry and research lead the thematic topic streams.

Also EuroSPI² continuously builds the SPI strategy and understanding in Europe and the world and continues to promote and develop the SPI Manifesto.

Attendees can book single days, any combination of 2 days, or all 3 days.

You can access the Room Plan in the R building of Hochschule Munich campus. You can download the <EuroSPI 2023 sessions and workshop assignment of rooms>.

04.09.2024				
08.00 - 08.40	Registration			
08.40 - 09.15	Room: R 1.046 Opening by Hochschule München EuroSPI Chair, Dr Richard Messnarz, Stan Stutton, President of the ISSPA, USA, and Prof. Ita Richardson of UL and Lero, Ireland, General Chair of ICSSP 2024 Automotive Skills Alliance, Dr Jakub Stolfa, ASA Director, iNTACS, Bernhard Sechser, Advisory Board Member, Samer Sameh, EuroSPI Chair for ASA Cooperation			
09.30 - 10.30	Workshop -R1.004: Functional Safety/Cybersecurity/SOTIF	Workshop -R1.046: Emerging and Multidisciplinary Approaches to Software Engineering	Workshop -R1.003: Norms-Assessments-ASPICE	Workshop -R1.002: Sustainability and Life Cycle Challenges	Workshop -R1.001: ICSSP Stream
10.30 - 11.00	Room: Catering Area and Exhibition Space Coffee Break			
11.00 - 12.00	Workshop -R1.004: Functional Safety/Cybersecurity/SOTIF	Workshop -R1.046: Emerging and Multidisciplinary Approaches to Software Engineering	Workshop -R1.003: Norms-Assessments-ASPICE	Workshop -R1.002: Sustainability and Life Cycle Challenges	Workshop -R1.001: ICSSP Stream
12.00 - 13.30	Room: Catering Area Exhibition Space Lunch Break			
13.30 - 15.30	Workshop -R1.004: Functional Safety/Cybersecurity/SOTIF	Workshop -R1.046: Emerging and Multidisciplinary Approaches to Software Engineering	Workshop -R1.003: Norms-Assessments-ASPICE	Workshop -R1.002: Sustainability and Life Cycle Challenges	Workshop -R1.001: ICSSP Stream
15.30 - 15.45	Room: Catering Area and Exhibition Space Coffee Break			
15.45 - 17.15	Room: R1.046 Key Note 1: LLM and GenAI based SE processes, International Panel led by Anita Carlton, SW Engineering Director SEI, Carnegie Mellon University, USA Panel Chair: Anita Carleton, Carnegie Mellon University, Software Engineering Institute Executive Software Solutions Director, IEEE Fellow Panelists are: Professor Lionel Briand, Science Foundation Ireland Research Centre for Software, Director Dr. Ipek Ozkaya, Carnegie Mellon University Software Engineering Institute Engineering Intelligent Software Systems Technical Director Dr. Alexander Poth, Volkswagen AG, IT Quality Manager John Robert, Carnegie Mellon University Software Engineering Institute Software Solutions Deputy Director Roland Weiss, Head of R&D and Technology, ABB			
17.30-18.30	Buses will bring the attendees to the Rosenheimer Herbstfest Note: To reach the beer festival and not lose the places we must leave at 17.30 with the busses (sorry for that short transfer time, but later reservations are not possible because the festival is so well known that other people/groups/tourists will compete/pay/invest for the places onsite). The buses are directly in front of the building. You can either store your bags			

at the conference location (locked till next morning), or you can take them to the bus and you will have the same bus on the journey back.

Have a nice typical Bavarian festival, if possible in Lederhosen!

| 18.30 - 22.00 | Traditional Bavarian Food, Beer and Music |
| | Address: Herbststraße 2, 83022 Rosenheim, Germany |

05.09.2024

08.00 - 09.00	Registration
09.00 - 09.45	Room: R1.046
	Key Note 2: AI in Software Engineering: Promise and Perils, Professor Dr. C. Greiner, Professor Dr. Thomas C. Peisl Hochschule München, Germany
09.45 - 10.30	Room: R1.046
	Key Note 3: Challenges in Automotive, Prof. Dr Bernd Hindel Founder ASQF, Founder Methodpark, Founder of SOQRATES, Germany
10.30 - 11.00	Room: Catering Area and Exhibition Space
	Coffee Break

| 11.00 - 12.00 | Workshop -R1.004: | Workshop -R1.046: | Workshop -R1.002: | Workshop -R1.003: | Workshop -R1.001: |
| | Functional Safety/Cybersecurity/SOTIF | Emerging and Multidisciplinary Approaches to Software Engineering | Innovation - New Business Models | E-Mobility-Digitilisation-EU Blueprints | ICSSP Stream |

12.00 - 13.30	Room: Catering Area and Exhibition Space
	Lunch Break
13.30 - 14.15	Room: Plenary
	Key Note 4: ASA Automotive Skills Alliance - The New Initiative TRIREME - Re-skilling Strategies for European Car Industry (2024 - 2028), Dr Jakub Stolfa, and Peter Dolejsi ASA, ACEA

| 14.30 - 15.30 | Workshop -R1.004: | Workshop -R1.046: | Workshop -R1.003: | Workshop -R1.003: | Workshop -R1.001: |
| | Experiences with Agile and Lean | Emerging and Multidisciplinary Approaches to Software Engineering | Innovation - New Business Models joined session with E-Mobility | E-Mobility-Digitilisation-EU Blueprints joined session with Innovation - Innovation Agent Task Force in ASA | ICSSP Stream |

| 15.30 - 16.00 | Room: Catering Area and Exhibition Space |
| | Coffee Break |

| 16.00 - 18.00 | Workshop -R1.004: | Workshop -R1.046: | Workshop -R1.002: | Workshop -R1.003: | Workshop -R1.001: |
| | Experiences with Agile and Lean | Good Process Improvement Practices (all Branches) | Innovation - New Business Models | E-Mobility-Digitilisation-EU Blueprints | ICSSP Stream |

till 19.00	Attendees go by public transport and leave at Gartenstrasse (line 27) or at Scheidplatz (line 12). From there it is 550 m walking through the famous Luitpoltpark.
19.00-23.30	19.00 - 19.30 Arrival at the Bamberger House
	19.30 - 20.15 Classical Music Event
	Karol Danis and Anton Bashynskyi are exceptional musicians who play classical music at EuroSPI social events since 2021 and have both won a number of international prizes. See the profile of Karol Danis and of Anton Bashynskyi.
	Music Program:
	F.M. Bartholdy: Fantasie (Klavier solo)
	J.Brahms: Adagio von Violine Sonate dmol
	P.I.Tchaikovsky: Souvenir d'un lieu cher, – Mélodie
	A.Dvořák: Romantische Stück

J.Massenet: Méditation aus Thais

F.Kreisler: Three Old Viennese Dances

R.Strauss: Morgen

20.30 - 23.30 Gala-Diner at the Bamberger House.

	06.09.2024
08.00 - 09.00	Registration
09.00 - 09.45	Room: R1.046 Key Note 5: Consistency for more than one Threat Analysis and Risk Assessment and Security Element out of Context Experiences , Dr Thomas Liedtke Magility, and Dr Richard Messnarz, ISCN
09.45 - 10.30	Room: R1.046 Key Note 6: From Pharaohs to the Future: Iterative Engineering Excellence Across Millennia Samer Sameh is a principal ASPICE Assessor, SAFe program consultant and Valeo senior process improvement manager, and Aly GadElRab is the Software Test Lead at Valeo's Lighting Division, VALEO, Egypt
10.30 - 11.00	Room: Catering Area and Exhibition Space Coffee Break

11.00 - 12.00	Workshop -R1.004: EuroSPI - Tech Day Summary - Reflecting and discussing the Tech Day Contributions (Tools, Methods, Approaches) Gerhard Griessnig, AVL, Austria, Jorn Johansen, Whitebox, Denmark, Laura Aschbacher, EuroSPI, Austria, Damjan Ekert, ISCN, Austria	Workshop -R1.046: Good Process Improvement Practices (all Branches)	Workshop -R1.002: free workshop space for new topics upcoming in discussions	Workshop -R1.003: E-Mobility-Digitilisation-EU Blueprints	Workshop -R1.001: free workshop space for new topics upcoming in discussions

12.00 - 13.00	Room: Catering Area and Exhibition Space Shorter Lunch Break
13.15 - 14.00	Room: R1.046 Plenary: An outllook to the future EuroSPI Conference, Academy, Certificates and Service Eco-System - A Vision of Future SPI, Dr Richard Messnarz, sharing a vision, EuroSPI
14.00 - 14.30	Rory O Connor Paper Award and Best Paper Award together with USA partnership.

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— Key Notes

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Newsflash   *The EuroSPI & ICSSP 2024 Conference Program is online - join our community and register*   ‹ ›

EuroSPI² 2024 Key Notes

The 2024 Key Notes page is currently updated.

From Pharaohs to the Future: Iterative Engineering Excellence Across Millennia

Abstract: The evolution of software process maturity models has been a cornerstone in driving quality and efficiency in various industries. In this keynote, we journey back thousands of years to explore the construction of the Egyptian pyramids, where the pharaohs applied highly systematic and mature processes to achieve engineering marvels that have stood the test of time.

This presentation explores the fascinating similarities between the evolution of the pyramid designs at Giza and the Software Maturity Models. By drawing parallels between the methodologies used in pyramid construction and modern-day Automotive SPICE, both are deeply rooted in humanity's quest to build enduring and sophisticated products. Providing insights into how continuous learning and incremental improvements are essential for achieving maturity and excellence in both fields. Ultimately, this presentation will not only highlight the enduring legacy of the pyramids but also offer valuable lessons for software development, emphasizing the importance of process maturity models in achieving innovation, reliability, and success.

CV: Samer Sameh is an Instructor Level Automotive SPICE Assessor with more than 10 years of experience into the Automotive industry. Samer is working in Valeo, an automotive supplier and partner to automakers worldwide. His main mission is to support the improve the current used processes for Sys & SW development to be compliant with the new emerging technologies in the automotive market like Autonomous driving, Artificial intelligence, wireless communication, cyber security As ASPICE Assessors, they lead the assessments which cover a wide range of projects in USA, Germany, Spain, China, India, France, Czech, Ireland and Egypt.

Aly GadElRab is a seasoned Software Testing Expert with 14 years of extensive experience in software development and testing, specializing in Software Integration Testing for automotive embedded Software. Currently, he serves as the Software Test Lead at Valeo's Lighting Division.

The Gizeh Plateau,
Pyramids

Samer Sameh is a principal ASPICE Assessor,
senior process improvement manager, VALEO

Aly GadElRab,
SAFe program consultant and Valeo
Software Test Lead, VALEO

ASA Automotive Skills Alliance - The New Initiative TRIREME - Re-skilling Strategies for European Car Industry (2024 - 2028)

Abstract: The ASA (Automotive Skills Alliance DRIVES) has been formed by end of 2021 inegrating different automotive associations and members of blueprint projects for automtive to build an upskilling strategy and platform for the automotive sector.

A EuroSPI & Valeo (represented in EG-SPICE) working group for IT and software in automotive has been formed and an EuroSPI chair for ASA has been appointed. The working group is now active and participation is possible.

The Mobility-Transport-Automotive Ecosystem will belong to the most visible ones to demonstrate the transition of the European economy towards a green and digital economy. Automotive-Mobility is one of the major industries in Europe. The twin transformation the European society and economy is facing will change the landscape of key actors. This will be further strengthened by strong interlinkages between different players in the ecosystem – from the automotive value chain, IT sector and different applications, new energy carriers in transportation as well as to new applications around services, logistics, interconnectivity or connected and automated vehicles. The TRIREME project, as the blueprint for sectoral skills collaboration, will focus on the following: - skills intelligence and strategical recommendations (strategy) on how to boost re-/up-skilling in the automotive-mobility sector

You can find the information about the ASA working groups here. In this key note the president of the ASA and the board director of ASA (Peter Dolejsi, Jakub Stolfa) will present the new TRIREME strategy.

Curriculum vitae: Petr Dolejsi was born in 1977 in Prague. He has graduated PhD. in Economics and Social policy at the University of Economics in Prague, following the Masters´ degree in Economics and Reginal policy. He also passed several courses and stages, including scholarhip at the Universite Cathollique du Louvain in Belgium.
He has started his career within the public services on different, leaving the Ministry for Regional Development of the Czech Republic at the Head of Unit post to Permanent representation in Brussels in 2004. He became member of the Presidency team in 2009 chairing the Competitiveness and Growth working party of the Council. In 2010 he joined ACEA and became a Director for Mobility and Sustainable transport, with a specific focus on CO2 policy, industrial policy and alternative

Peter Dolejsi
ACEA, the European Automobile Manufacturers Association

Challenges in Automotive

Abstract: We have more software in cars than in planes. In aerospace autonomy is nearly solved. In automotive we have more impacts on autonomy than anywhere else. The change from combustion engine to electric engine, as well as the change in ownership vs. car sharing is not only a technology challenge but also a major effort for the automotive environment. Enabler for these challenges are concurrent execution, security and safety. But each of these enablers come with their own challenges. During the presentation we will have a closer look to complexity by concurrent execution, quarterly security release and safety software over the air.

CV: Prof. Dr. Bernd Hindel studied computer science in Erlangen and Green Bay (USA). In 2001 he founded Method Park. In addition, Prof. Hindel is a Lecturer for Software Engineering at the University of Erlangen and the University of Augsburg. Bernd Hindel is the founder of ASQF e.V. (Association for Software Quality and Training) and iNTACS e.V. (international Assessor Certification Scheme for SPICE Assessors). As a member of DIN Institute, Prof. Hindel was the chairman for Software and System-Engineering Standards and the head of the German Delegation to ISO/IEC JTC1 SC7. From 2006 to 2009 he was the German representative at the Working Group responsible for the definition of SPICE (ISO/IEC 15504). Prof. Hindel has been Keynote Speaker and/or Organizing Chair of many international Conferences on Software Quality, including the World Congress on Software Quality, Munich, 2005 and Shanghai, 2011. Prof. Hindel published numerous papers and books on software engineering.

Prof. Dr Bernd Hindel Founder ASQF,

Founder Methodpark, Founder of SOQRATES, Germany

Consistency for more than one Threat Analysis and Risk Assessment and Security Element out of Context Experiences

Abstract: Automotive SPICE® for Cybersecurity contains Cybersecurity Risk Management process (MAN.7) corresponding to Risk Assessment Methods (ISO/SAE 21434:2021-clause 15). Both standards describe how a Threat Analysis and Risk Assessment (TARA) should be carried out. However, they leave open how, in the event that several TARAs arise at different levels/different points in a life cycle model or a supply chain, these can be synchronized. This paper will outline different scenarios how to perform and synchronize different TARAs performed.

CVs: Thomas Liedke is the moderator of the INTACS working grpup developig the training materials and examples for APICE for Cybersecurity and Richard Messnarz is the moderatpr of the SOQRATES group who contributed examples and explanations for the security processes.

Thomas Liedke,

Senior Cyber Security Expert,

Magility, Stuttgart, Germany

Dr Richard Messnarz,

Manager and Senior Expert,

ISCN/SOQRATES Group, Graz, Austria

LLM and GenAI based SE processes / practices / implementations

Abstract: We stand at a pivotal moment in software engineering, with AI-driven approaches poised to enhance the development, testing, and sustainment of software. While Generative AI tools initially sparked excitement for their potential to reduce errors, scale changes effortlessly, and drive innovation, concerns have emerged. These concerns encompass security risks, unforeseen failures, and issues of trust. Empirical research on Generative AI development assistants reveals that productivity and quality gains hinge not solely on tool sophistication but also on task flow redesign and expert judgment. Drawing insights from the study about Architecting the Future of Software Engineering: A National Agenda for Software Engineering R&D, we will focus on the critical technologies and research areas essential for advancing future systems, with the overarching goal of making software a competitive advantage
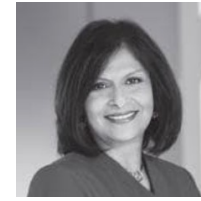
The Software Solutions Director in SEI / CMU will chair a virtual panel after having given a key note.

Panel: Our keynote panel will explore the future of software engineering using Generative AI technologies from multiple perspectives. We'll examine current applications, envision future possibilities, identify research gaps, and identify critical skill sets required by software engineers and stakeholders to harness Generative AI's potential effectively and responsibly. By fostering a deeper understanding of AI's role in software engineering, we aim to accentuate its potential and mitigate its risks.

Panel Chair: Anita Carleton, Carnegie Mellon University, Software Engineering Institute Executive Software Solutions Director, IEEE Fellow

Panelists are:

- Professor Lionel Briand, Science Foundation Ireland Research Centre for Software, Director
- Dr. Ipek Ozkaya, Carnegie Mellon University Software Engineering Institute Engineering Intelligent Software Systems Technical Director
- Dr. Alexander Poth, Volkswagen AG, senior expert, team lead in Agile, and new IT topics like AI
- John Robert, Carnegie Mellon University Software Engineering Institute Software Solutions Deputy Director
- Roland Weiss, Head of R&D and Technology, ABB

Anita Carlton,
Software Solutions Director,
SEI/CMU, Carnegie Mellon University, USA

AI in Software Engineering: Promise and Perils

Dr Christian Greiner received his masters degree and his PH.D. in mathematics from the University of Ulm, Germany with a focus on decision-making processes. He has more than ten years experience as a professional manager and as consultant for knowledge and information management. Dr. Greiner has been Professor for information systems and management since joining Munich University of Applied Sciences in 2003. At the moment, he serves in his faculty as the associate dean for applied research and he is the program director for the bachelor ans master degree program Information Systems & Management. Dr Greiner's research interest include AI as a copilot, augmented intelligence, technology acceptance and intelligent information systems in business applications as well as entrepreneurship education. He has published related to his field.

Professor Dr. C. Greiner
Hochschule Munich, Germany

Dr Thomas C. Peisl is Professor for Corporate Strategy at HM Business School at Munich University of Applied Sciences. In this role, his applied research is focused on International Management, Innovation Management, and Global Entrepreneurship. Dr. Peisl has done considerable work with the business community in a variety of consulting assignments and is currently engaged with several high-tech companies. His latest publications are on Innovation and Change, Technology Acceptance and AI, as well as Entrepreneurial Education. He is Honorary Professor at Heriot-Watt University in Edinburgh and Visiting Professor at Edinburgh Napier University. Dr. Peisl served on the Board of Directors of Method Park AG, a leading software company in software engineering. He is a frequent speaker at professional conferences, and has consulting and research experience with a number of global organizations. He received his MBA from Washington State University and holds a PhD from Chemnitz University of Technology in Germany.

Professor Dr. Thomas C. Peisl
Hochschule Munich, Germany

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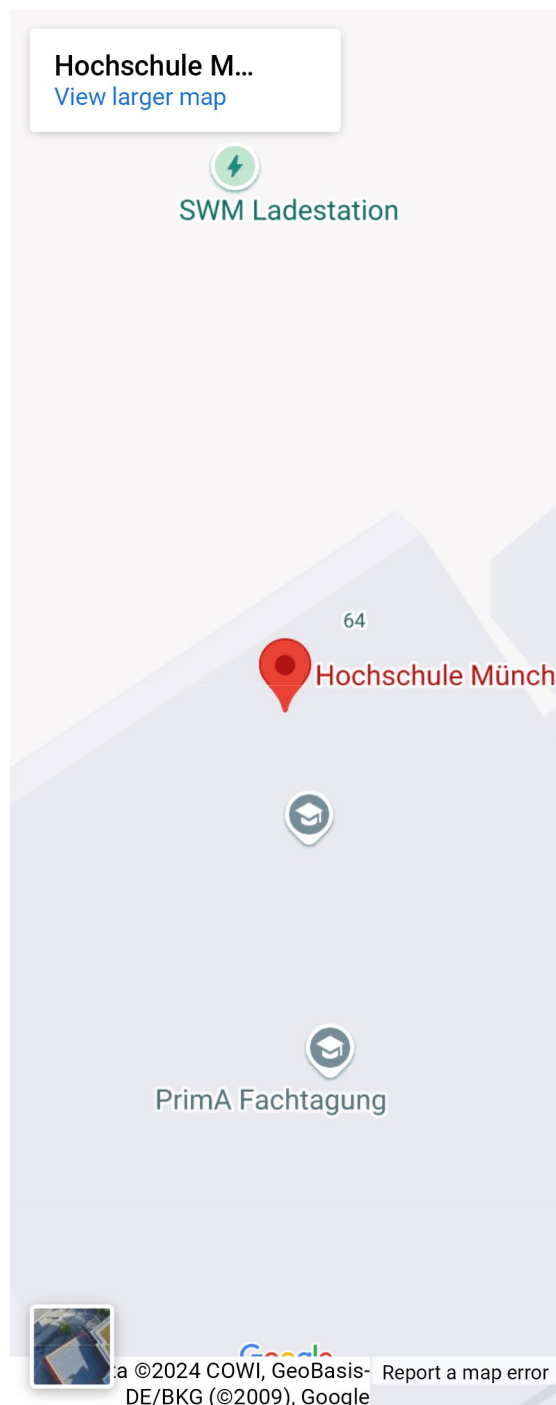Center

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Local Information

EuroSPI 2024 Host Institution

Munich University of Applied Sciences
Google address for Munich University of of Applied Sciences
Lothstraße 64, 80335 München, Germany

EuroSPI 2024 Location in the Campus

The conference is held in the red building of the Munich University of Applied Sciences at Lothstraße 64. Click on the Google Map in the left to see the specific location.
Download the detailed room and building plan for EuroSPI 2024 here.

EuroSPI 2024 Travel Guide for Social Events

1.) Social Event on 4.9.2024 - Rosenheimer Herbstfest

Address: Herbststraße 2, 83022 Rosenheim, Germany

Details: **Auerbräu** beer tent inside inside the Rosenheimer Herbstfest. Find here the plan of the Wiesn (Wiesn is an old dialect of German word for a large field with lots of beer tents and music). Inside that plan is the link to the Auerbräu.

Buses will bring the attendees to the Rosenheimer Herbstfest, and buses will start 17.30 in front of the conference location.

Note: To reach the beer festival and not lose the places we must leave at 17.30 with the buses (later reservations are not possible because the festival is so well known that other people/groups/tourists will compete/pay/invest for the places onsite). The busses are directly in front of the building. You can either store your bags at the conference location (locked till next morning), or you can take them to the bus and you will have the same bus on the journey back.

Have a nice typical Bavarian festival, if possible in Lederhosen! If you have one, do not forget the Lederhosen, and if you do not have one try to get one. However, Lederhosen is not required.

Background: The door of the tent opens 18.00 and we have Tom onsite to organise the places. There will be many people that will want to get our tables, and we come 30 minutes after opening. So it will be a challenge to keep the festival attendees away from our reserved free places. See the picture of the Auerbräu.
There will be great Bavarian traditional music and lots of Lederhosen.

 2.) Social Event on 5.9.2024 - Bamberger House
The distance between the university and the Bamberger house is too short to get buses. A taxi takes 8 minutes, it is 30 mins. walking distance (2 km and 200 m), and we recommend public transport.

1. Option 1: Along Lothstrasse towards North West direction, walk 1 km to tram station Nordbad, take tram line 27 (in direction Petuelring U) and leave at Gartenstrasse, and walking distance of 250 m to Bamberger house through the Luitpolt park.
2. Option 2: Along Lothstrasse towards North West direction, walk 350 m to the bus station Infanteriestrasse Süd, take the bus 154 to bus station Nordbad, change to tram station Nordbad, take tram line 27 (in direction Petuelring U) and leave at Gartenstrasse, and walking distance of 250 m to Bamberger house through the Luitpolt park.
3. Option 3: Along Lothstrasse towards North West direction, walk 1 km to tram station Nordbad, take tram line 12 (in direction Scheidplatz U) and leave at Scheidplatz and walking distance of 550 m to Bamberger house through the Luitpolt park.
4. Option 4: Along Lothstrasse towards North West direction, walk 350 m to the bus station Infanteriestrasse Süd, take the bus 154 to bus station Nordbad, change to tram station Nordbad, take tram line 12 (in direction Scheidplatz U) and leave at Scheidplatz and walking distance of 550 m to Bamberger house through the Luitpolt park.

5. Option 5: Along Lothstrasse towards South West direction, walk 200 m to the tram line station Hochschule München, take line 20 to Leonrod Platz, change at Leonrod Platz to tram line 12 (in direction Scheidplatz U) and leave at Scheidplatz and walking distance of 550 m to Bamberger house through the Luitpolt park.

The Luitpolt park is a famous park in Munich, so enjoy the 250 m or 550 m through the park.

If you have any issues with a walking distance of 250 m, then a taxi is recommended, it takes between 5 to 8 minutes to the Bamberger house from the conference location.

How to get to Munich, Germany

See the page concerning travel to Munich.

EuroSPI 2024 COV-19 Rules (if required)

In case (like we already performed at previous EuroSPI Conferences) COV-19 is still an issue, we will install a contingency plan and prepare guidelines.

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— Associated Tech Days

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Online Technology Day

Advanced Assessment and Improvement Methods and Tools

The Tech Day is a pre-event to the EuroSPI² 2024 Conference showcasing new state of the art technology in the field of assessments, benchmarking data and future learning infrastructures. The technology days allow EuroSPI supporting partner organizations to manage their own events in association with EuroSPI and at a date where it is possible for technology day participants to also register and come for EuroSPI. There are key note presentations and content based webinar sessions. Key note sessions are from leading industry or experts, and webinar sessions are presenting and refer to tools for which ISCN can provide test accounts or services.

To Register for Free write an Email to techday@iscn.com

Free Participation - 2 September 2024

ISCN invites for a free online event. In case of interest send an email to techday (techday@iscn.com). Note: The EuroSPI Conference will take place 4 - 6 September 2024 onsite and online, the tech day as a pre-event on 2 September 2024 will be online only.

Program 2024

08.50 – 09.00	Logging in to the event and welcome

09.00 – 09.20	The innovation agent task force in ASA and ISO 56000 based innovation assessments

Laura Aschbacher, EuroSPI Gmbh, Austria, Dr Richard Messnarz, ISCN GmbH, Damjan Ekert, ISCN Gmbh, Austria

09.20 – 09.40	Experiences with first ISO 56000 innovation management system assessments

Jorn Johansen, Whitebox, Denmark, Laura Aschbacher, ISCN & EuroSPI GmbH, Austria

09.40 – 10.00	EU Blueprint Project Trireme – Re- and Up-skilling European Automotive and Energy Sector for Green Mobility Strategy

Dr Jakub Stolfa, President of ASA, Belgium, Marek Spayik, Svatopluk Stolfa, VSB TU Ostrava, Czech Republic

10.00 – 10.15	Break

10.15 – 10.35	Integrating Functional Safety Asssessment and Audit with ASPICE – FUSE and Capability Adviser Integrated

Gerhard Griessnig, AVL, Austria, Dr Richard Messnarz, Damjan Ekert, Tobias Danmayr, Jonathan Breitenthaler, Laura Aschbacher, ISCN GmbH, Austria

10.35 – 11.05	Capability Adviser – The Number One Assessment Tool and New Features

Tobias Danmayr (new features), Laura Aschbacher (usability design and new models like ISO 56000), Jonathan Breitenthaler (new features), Damjan Ekert (release strategy), Dr Richard Messnarz, ISCN GesmbH, and EuroSPI Gmbh (the vision of a virtual user community in the EuroSPI eco-system)

11.05 – 11.25	ASPICE 4.0 versus 3.1 – an analysis by the SOQRATES working group

Damjan Ekert, ISCN GesmbH, and SOQRATES Group

11.25 – 11.45   **Experience with Capability Adviser – Customer Use Cases**

showing specific success use cases of Capability Adviser which users like BOSCH, HELLA/FORVIA, MAGNA, ZF Friedrichshafen AG, Marquardt, TTTECH, Hofer Powertrain, Tasking etc. have highly rated.

11.45 – 12.05   **Experiences with ASIL C/D architectures for non-deterministic systems (e.g. machine learning)**

Dr Andreas Riel, Grenoble INPG, France and ISCN Group, Austria, Dr Georg Macher, TU Graz & ISCN Group, Austrioa, Dr Richard Messnarz, ISCN & EuroSPI GmbH, Austria

12.05 – 12.25   **Consistency for more than one TARA – new content of Automotive SPICE for Cybersecurity**

Thomas Liedtke, Magility,Germany and Dr Richard Messnarz, ISCN and EuroSPI GmbH, Austria

12.25 – 12.45   **Experiences with CSMS Audit preparation using the Capability Adviser supported CSMS process assessment model**

Bernhardt Steger, ISCN Group, Austria

12.45 – 13.00   **Summary, Discussions, and Closing**

join the EuroSPI eco system of conference, academy, certificates and tools.

J.UCS (Journal of Uiversal Computer Science) Issue in Cooperation with EuroAsiaSPI² - Recent Advances in Cybersecurity and Safety Architectures in Automotive, IT, and Connected Services:

We published a special issue in a Q2 rated J.UCS journal, see Scimago rating for computer science section of the journal.

This is an open access journal and you can access the articles from here.

Presentations from 2024 (impressions of the TechDay):

- The innovation agent task force in ASA and ISO 56000 based innovation assessments
- Experiences with first ISO 56000 innovation management system assessments
- EU Blueprint Project Trireme - Re- and Up-skilling European Automotive and Energy Sector for Green Mobility Strategy
- Integrating Functional Safety Asssessment and Audit with ASPICE - FUSE and Capability Adviser Integrated
- Capability Adviser - The Number One Assessment Tool and New Features

- ASPICE 4.0 versus 3.1 - an analysis by the SOQRATES working group
- Experience with Capability Adviser - Customer Use Cases
- Experiences with ASIL C/D architectures for non-deterministic systems (e.g. machine learning)
- Consistency for more than one TARA - new content of Automotive SPICE for Cybersecurity
- Experiences with CSMS Audit preparation using the Capability Adviser supported CSMS process assessment model

Presentations from 2023 (impressions of the TechDay):

- Tech Day and EuroSPI 2023 attendees list (status 27.8.2023)
- Tech Day 2023 Opening
- Automotive SPICE for Cybersecurity – Introduction to the PAM
- Experiences with ASPICE for Cybersecurity Assessments
- Capability Adviser - The Number One Assessment Tool - News
- Automotive SPICE V4.0 Automotive SPICE Guidelines V2.0
- intacs News
- The new process improvement expert training module from iNTACS
- ISO 56000 Innovation Management Systems Assessment - EU Project TIMS - TIMS TRAINING IN INNOVATION MANAGEMENT SYSTEM FOR SUSTAINABLE SMES
- Experiences with Assessments with Process Instances - Lessons Learned with Capadv
- Using assessment systems for benchmarking and lessons learned

Presentations from 2022 (impressions of the TechDay):

- The Automotive Skills Alliance ASA
- Experiences with the ASPICE for Cybersecurity Assessment Model
- The Cybersecurity Engineer and Manager Project
- Innovation Assessment - ISO 56000 based assessment development
- Capability Adviser Updates on Features
- Overview about the new ASPICE 4.0 PAM
- The EU Blueprint Project about Blockchain Technology and Education
- Experiences with integrated ASPICE and ISO 26262 Assessments
- The new process improvement expert training module from iNTACS - Paper at EuroSPI
- Data Driven Engineering Process - An ASPICE Compatible Process for Machine Learning in Automated Driving

Presentations from 2021:

- Automotive SPICE® for Cybersecurity
- First Experiences with the Automotive SPICE for Cybersecurity Assessment Model
- Experiences with safety assessments and safety cases

- Experience Report from Recent Combined Assessments: ASPICE 3.1 + ISO 26262
- Capability Adviser - A Collaborative Web Assessment Tool
- DRIVES - The Blueprint Project
- ECEPE - Certified Electric Powertrain Engineer

Presentations from 2020:

- Experience with the Implementation of the VDA Guidelines for ASPICE 3.1 with advanced tool support
- Experience with the Combined use of ASPICE 3.1 and ISO 26262 assessments
- Capability Adviser Product Portfolio and main Features - Design
- Capability Adviser Product Portfolio and main Features - Functionality
- Assessment in the Cloud, Mixed Online and Onsite Assessments, Learning in the Cloud
- Experience with using metrics for ASPICE level 2

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Thematic Workshops and Communities

The EuroSPI² 2024 Conference (4 - 6 September 2024) will have 10 international thematic workshop streams supported by thematic topic communities. Each stream integrates both, research sessions and **industry / applied science sessions**. The thematic streams will be a mix of pitch talks provoking discussions, full presentations and panel discussions which will focus on specific questions of interest. In addition there will be a half day about new research and industry project and funding proposal ideas. Streams might run longer than one day depending on the size of the community and contributions. EuroSPI² has the vision to enable these workshop communities to grow and to sustain over numerous years. Joint the community and contribute and share interesting thoughts, ideas and papers and get feedback.

The thematic workshops allow leading industry and research to attend EuroAsiaSPI not only for a conference but also for a dedicated topic based workshop/training event. These workshop are dealing with hot topics and contain key papers and **interactive sessions with open discussions.** Participants work with the speakers to elaborate key statements to follow up in the next years workshops. The thematic workshops will be published as separate chapters in the annual SPRINGER book in the CCIS series.

Workshop Community:
Emerging and Multidisciplinary Approaches to Software Engineering

Workshop Community:
Digitilisation of Industry, Infrastructure and E-Mobility

Workshop Community:
Good Process Improvement Practices (all Branches)

2023 - Emerging and Multidisciplinary Approaches to Software Engineering
2022 - Emerging and Multidisciplinary Approaches to Software Engineering
2021 - Emerging and Multidisciplinary Approaches to Software Engineering
2020 - Emerging and Multidisciplinary Approaches to Software Engineering
2019 - Gamification and Persuasive Games for SPI, Information Technology, and Innovation Management
2018 - Gamification and Persuasive Games for SPI, Information Technology, and Innovation Management
2017 - Gamification and Persuasive Games for SPI, Information Technology, and Innovation Management
2016 - Gamification and Persuasive Games for SPI, Information Technology, and Innovation Management
2015 - Conference Stream and Panel for Global Innovation and Networking
2014 - Roadmaps for Innovation and Changing Beliefs
2013 - Process Product and Service Innovation
2012 - Social Responsibility as a fruitful ground for innovation

2023 - Digitilisation of Industry, Infrastructure, and E-Mobility
2022 - Digitilisation of Industry, Infrastructure, and E-Mobility
2021 - Digitilisation of Industry, Infrastructure, and E-Mobility
2020 - Digitilisation of Industry, Infrastructure, and E-Mobility
2019 - Digitilisation of Industry, Infrastructure, and E-Mobility
2018 - The Digitalization of Design and Manufacturing
2017 - The Digitalization of Design and Manufacturing
2014 - "Olympic Level" for Software Development
2013 - System Design Principles
2012 - Measurement

Empowering the Future Infrastructures

2018 - Empowering the Future Infrastructure

2023 - Good Process Improvement Practices (all Branches)
2022 - Good Process Improvement Practices (all Branches)
2021 - Good Process Improvement Practices (all Branches)
2020 - Good/Bad SPI Practices in Improvement
2019 - SPI Manifesto Update
2018 - Good/Bad SPI Practices in Improvement
2017 - Good/Bad SPI Practices in Improvement
2016 - ECQA Certified SPI Manager Qualification - Implement Best Pracrices for Managing Improvement
2015 - Business Compliance and Transparency Best Practices and the SPI Manifesto and its implementation experiences
2014 - How to apply an organizational change approach that is aligned with the new ISO standard 33014 (morning) and how to apply outsourcing business strategies (afternoon)

Workshop Community:
Best Practices in Design of Systems Applying Functional Safety and Cybersecurity

2023 - Best Practices in Design of Systems Applying Functional Safety and Cybersecurity
2022 - Best Practices in Design of Systems Applying Functional Safety and Cybersecurity
2020 - Best Practices in Design of Systems Applying Functional Safety and Cybersecurity
2019 - Best Practices in Design of Systems Applying Functional Safety and Cybersecurity
2018 - Best Practices in Design of Systems Applying Functional Safety and Cybersecurity
2017 - Best Practices in Design of Systems Applying

Workshop Community:
Experiences with Agile and Lean

2023 - Experiences with Agile and Lean
2022 - Experiences with Agile and Lean
2021 - Experiences with Agile and Lean
2020 - Experiences with Agile and Lean
2019 - Experiences with Agile and Lean
2018 - Experiences with Agile and Lean
2017 - Experiences with Agile and Lean

Workshop Community:
Standards and Assessment Models

2023 - Standards and Assessment Models
2022 - Standards and Assessment Models
2021 - Standards and Assessment Models
2020 - Standards and Assessment Models
2019 - Standards and Assessment Models
2018 - Standards and Assessment Models
2017 - Standards and Assessment Models

Functional Safety, Cybersecurity, and How Much Agile is Possible

2016 - Cyber Security and Functional Safety in Cyber-Physical Systems

2015 - Experiences with the Implementation of Functional Safety and Embedded Systems Security

2014 - Integrating Different Functional Safety and Risk Management Experiences

2013 - Integrated Design Principles

2012 - Agile Design PrinciplesFunctional Safety Standards and Design Principles

Workshop Community:
Sustainability and Life Cycle Challenges

2023 - Sustainability and Life Cycle Challenges

Workshop Community:
Recent Innovations

2023 - Innovation Challenges till 2030 – Empowerment of the Drivers of Change (TIMS)

2022 - Innovation Challenges till 2030 – Empowerment of the Drivers of Change

2021 - Innovation Challenges till 2030 – Empowerment of the Drivers of Change

2020 - Recent Innovations

2019 - Innovation Challenges till 2030 – Empowerment of the Drivers of Change

Workshop Community:
Virtual Reality

2022 - VR, AR and MR Applications

2021 - VR, AR and MR Applications

2020 - Virtual Reality

Workshop Community:
Accessibility, Team Skills and Diversity

Workshop Community:
MedTech Innovation

Workshop Community:
ICSSP Stream @EuroSPI

2023 - Workshop paused!

2022 - Accessibility, Team Skills and Diversity

2021 - Accessibility, Team Skills and Diversity

2020 - Accessibility, Team Skills and Diversity

2019 - Team Skills and Diversity

2018 - Team Skills and Diversity

2017 - Team Skills and Diversity

2023 - Workshop paused!

2022 - Health Innovation - IT Innovation in Medical

2019 - Trends & Challenges in Medical Device Industry

2018 - Trends & Challenges in Medical Device Industry

2024 - New!

Thematic Workshops Integration into the EuroSPI Conference Program

The conference is structured into four parallel tracks. On day 1 there are four parallel thematic workshops, on the days 2 and 3 there are three parallel thematic workshops and a research stream sandwiched between the thematic streams (see conference program and structure).

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Workshop: Agile and Lean

Workshop-Moderators

Alexander Poth

Volkswagen, Germany

Peter Pedros,

Founder of PEDCO & Applied

SAFe, PEDCO, Switzerland

Svatopluk Stolfa

VSB Ostrava,

Czech Republic

Definition of Agile and of Lean

What is agile and what is lean? How much agile is possible in a safety critical development in a car, plane, medical device? What are the principles of lean and is it possible to be lean and agile at the same time? Is just implementing SCRUM already covering the principles of agile and Lean or probably not?

Agile and/or lean principles work differently in different domains: IT service, Automotive, production of components etc.

REGISTER NOW

Workshop Program 05.09.2024

	Workshop - Agile and Lean	
12.00 - 13.30	Lunch Break	
13.30 - 14.15	Key Note 4: ASA Automotive Skills Alliance - The New Initiative TRIREME - Re-skilling Strategies for European Car Industry (2024 - 2028), Dr Jakub Stolfa, and Peter Dolejsi ASA, ACEA	
14.30 - 15.30	Software Process Improvement Training Strategy: Lean-Agile Case Study	An Agile-based Framework for Addressing Defects in Medical Device Software Development
	Gloria Piedad Gasca-Hurtado, Luz Marcela Restrepo-Tamayo, Emilcy Juliana Hernandez,	

	Universidad de Medellín, Colombia , Maria Clara Gomez Alvarez, Medellin, Colombia, Morillo Puente, International Bridge University, Florida, USA		Solbey Misheck Nyirenda, Martin Mc Hugh, Róisín Loughran, Fergal McCaffery, Regulated Software Research Centre, Dundalk Institute of Technology, Dundalk, Ireland	
15.30 - 16.00	Coffee Break			
16.00 - 18.00	Agile software development projects compliance to ASPICE Ahmed Ibrahim, ALTEN GmbH, Munich, Germany , Khaled Badr, Software Excellence, Leading OEM, Berlin, Germany	Validation of Scrum Implementation with Knowledge Based Software Process Metamodel – Meta-modelling Support in Scrum Implementation Michael Alexander KOSINAR , Svatopluk STOLFA a, Jakub STOLFA, VSB – Technical University of Ostrava, Czech Republic	Using an Ai-Based Companion to improve usage of a Lean QMS for scaled agile development in the Automotive Industry (Presentation) Peter Pedross, PEDCO AG, Switzerland	Applying a Grey Multi Criteria Decision Making (MCDM) Process to Software Development (Presentation) Thomas M. Fehlmann, Eberhard Kranich, Euro Project Office AG, Switzerland
till 19.00	Attendees go by public transport and leave at Gartenstrasse (line 27) or at Scheidplatz (line 12). From there it is 550 m walking through the famous Luitpoltpark.			
19.00 - 23.30	19.00 - 19.30 Arrival at the Bamberger House			

19.30 - 20.15 Classical Music Event

Karol Danis and Anton Bashynskyi are exceptional musicians who play classical music at EuroSPI social events since 2021 and have both won a number of international prizes. See the profile of Karol Danis and of Anton Bashynskyi.

Music Program:
F.M. Bartholdy: Fantasie (Klavier solo)

J.Brahms: Adagio von Violine Sonate dmol

P.I.Tchaikovsky: Souvenir d'un lieu cher, – Mélodie

A.Dvořák: Romantische Stück

J.Massenet: Méditation aus Thais

F.Kreisler: Three Old Viennese Dances

R.Strauss: Morgen

20.30 - 23.30 Gala-Diner at the Bamberger House.

Additional Information

Enter the World of Agile and Lean

In this workshop series success factors and examples of being lean and agile are introduced, explained, and discussed. This should offer an entrance to the world of agile and lean.

We invite experts who are working with

Interactive Workshop Approach

Focus of interest and main questions discussed during the workshop will be:

- Best Practices for agile and/or lean
- Bad practices for agile and/or lean
- Applying agile and/or lean in domains (car, plane, medical)
- Integrating agile and/or lean with existing rigorous development norms (safety, cybersecurity)

• Agile development models

• Agile management models

• Agile production models

• Lean development models

• Lean management models

• Lean production models

• Concepts integrating agile and lean

• Best practices and bad practices in implementing agile and lean

• Standards supporting agile and lean

• Agile in safety critical developments

• Lean in safety critical environments

• Applying agile or lean in different domains

Each presentation will be discussed towards these main topics of interest. A panel discussion at the end shall come up with a summary of the solutions presented and with new research topics to focus on to solve this integrated approach (work for next year to meet at next EuroAsiaSPI and share again).

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Workshop: Emerging and Multidisciplinary Approaches to Software Engineering

Workshop-Moderators

Murat Yilmaz
Gazi University, Turkey

Paul Clarke
Dublin City University, Ireland

Ricardo Colomo Palacios
Universidad Politecnica de Madrid, Spain

Antonia Mas
University of the Balearic Islands, Spain

Richard Messnarz
ISCN GmbH, Austria

Workshop Program 04.09.2024

Emerging and Multidisciplinary Approaches to Software Engineering

Software engineering is inherently a socio-technical effort with best practices based on social interaction. However, these practices are likely to vary with cultural aspects that cannot be externalized or captured by automation tools alone. Therefore, engineering software products requires a vision of thinking across boundaries for the future which goes further than what we have so far conceived. In particular, novel software development approaches are closely tied to the traditional concerns of social factors that affect the success of software development as a whole. To address these concerns and establish a strategy that will achieve a broader vision, researchers seek ways to adopt techniques from multiple academic disciplines and draw knowledge from various areas including but not limited to management, sociology, anthropology, psychology, etc. Ultimately, applying best practices from multiple academic disciplines is critical for future success in engineering sustainable software products.

REGISTER NOW

Workshop: Emerging and Multidisciplinary Approaches to Software Engineering			
08.40 - 09.15	Opening by Hochschule München EuroSPI Chair, Dr Richard Messnarz Stan Stutton, President of the ISSPA, USA, and Prof. Ita Richardson of UL and Lero, Ireland, General Chair of ICSSP 2024 Automotive Skills Alliance, Dr Jakub Stolfa, ASA Director iNTACS, Bernhard Sechser, Advisory Board Member Samer Sameh, EuroSPI Chair for ASA Cooperation		
09.30 - 10.30	Empowering Software Project Success: Guidelines to Enhance the Impact of Human Critical Success Factors Maria Monserrat, Antonia Mas, Antoni-Lluis Mesquida, Antonio Crespi, University of the Balearic Islands, Spain	Data-Driven Software Engineering: A Systematic Literature Review Aybüke Yalcıner, Hacettepe University, Ankara, Turkey and TUBITAK, BILGEM, Ankara, Turkey, Ahmet Dikici, ASELSAN Inc., Ankara, Turkey and Hacettepe University, Ankara, Turkey, Ebru Gökalp, Hacettepe University, Ankara, Turkey	
10.30 - 11.00	Coffee Break		
11.00 - 12.00	Evaluating Automated FAIRness Measurement in Knowledge Graphs (Presentation) Maryam Basereh, Paul M. Clarke, Andrew McCarren, Dublin City University, Dublin, Ireland	Sleepless in the Code: Exploring the Relationship between Occupational Anxiety and Sleep Patterns in the Software Industry Arife Gülsah Erol, Murat Yılmaz, Gazi University, Ankara, Turkey, and Paul M. Clarke, School of Computing, Dublin City University, Dublin, Ireland and Lero, the SFI Research Centre for Software, Dublin City University, Dublin, Ireland	How to Explain Artificial Intelligence to Humans - Learning from Quality Function Deployment Dr. Thomas Fehlmann, and Eberhard Kranich, Euro Project Office, Switzerland
12.00 - 13.30	Lunch Break		
13.30 - 15.30	Large Language Models for Software Engineering: A systematic mapping study Muhammet Kürsat Görmez, Murat Yılmaz, Gazi University, Ankara, Turkey, Paul M. Clarke, School of Computing, Dublin City University, Dublin, Ireland and Lero, the SFI Research Centre for Software, Dublin City University, Dublin, Ireland	REFIoT: A framework to combat requirements engineering in IoT applications and systems Errikos Siakas, National Archaeological Museum, Thessaloniki, Greece, Georgios Lampropoulos, University of Macedonia, Thessaloniki, Greece, Harjinder Rahanu, Elli Georgiadou, Middlesex University London, London, UK, Dimitrios Siakas, Häme University of Applied Sciences, Kerstin Siakas, International Hellenic University, Thessaloniki, Greece, and University of Vaasa, Finland	Using Data Augmentation to Support AI-based Requirements Evaluation in Large-scale Projects Robin Korfmann, Patrick Beyersdorffer, Jürgen Münch, and Marco Kuhrmann, Reutlingen University, Germany	Artificial Intelligence-enabled Medical Device Standards: a multidisciplinary literature review Niamh St John Lynch, Dundalk Institute of Technology, Ireland, Roisin Loughran, Regulated Software Research Centre, DkIT, Dundalk, Ireland
15.30 - 15.45	Coffee Break		
15.45 - 17.15	Key Note 1: LLM and GenAI based SE processes, International Panel led by Anita Carlton, SW Engineering Director SEI, Carnegie Mellon University, USA Panel Chair: Anita Carleton, Carnegie Mellon University, Software Engineering Institute Executive Software Solutions Director, IEEE Fellow Panelists are: Professor Lionel Briand, Science Foundation Ireland Research Centre for Software, Director Dr. Ipek Ozkaya, Carnegie Mellon University Software Engineering Institute Engineering Intelligent Software Systems Technical Director Dr. Alexander Poth, Volkswagen AG, senior expert, team lead in Agile, and new IT topics like AI John Robert, Carnegie Mellon University Software Engineering Institute Software Solutions Deputy Director Roland Weiss, Head of R&D and Technology, ABB		
17.30 - 18.30	Buses will bring the attendees to the Rosenheimer Herbstfest		
	Note: To reach the beer festival and not lose the places we must leave at 17.30 with the busses (sorry for that short time, but later reservations are not possible because the festival is		

so well known that other people/groups/tourists will compete/pay/invest for the places onsite). The buses are directly in front of the building. You can either store your bags at the conference location (locked till next morning), or you can take them to the bus and you will have the same bus on the journey back.

Have a nice typical Bavarian festival, if possible in Lederhosen!

18.30 - 22.00	Traditional Bavarian Food, Beer and Music
	Address: Herbststraße 2, 83022 Rosenheim, Germany

Workshop Program 05.09.2024

	Workshop: Emerging and Multidisciplinary Approaches to Software Engineering	
08.00 - 09.00	Registration	
09.00 - 09.45	Key Note 2: AI in Software Engineering: Promise and Perils, Professor Dr. C. Greiner, Professor Dr. Thomas C. Peisl Hochschule München, Germany	
09.45 - 10.30	Key Note 3: Challenges in Automotive, Prof. Dr Bernd Hindel Founder ASQF, Founder Methodpark, Founder of SOQRATES, Germany	
10.30 - 11.00	Coffee Break	
11.00 - 12.00	Toward the development of a method for identifying the root cause problems of Software Development Teams Ernesto Orozco-Jimenez, Mirna Munoz and Jezreel Mejia1, Unidad Zacatecas, Mexico	Investigating Systems Modernisation: Approaches, Challenges and Risks Gareth Hogan, Patricija Shalkauskaite, Mengte Zhu, Martin Derwin, School of Computing, Dublin City University, Ireland, Murat Yilmaz, Gazi University, Ankara, Turkey , Andrew McCarren, School of Computing, Dublin City University, Ireland and Insight, the Science Foundation Ireland Research Centre for Data Analytics, Ireland, Paul M. Clarke, School of Computing, Dublin City University, Dublin, Ireland and Lero, the SFI Research Centre for Software, Dublin City University, Dublin, Ireland
12.00 - 13.30	Lunch Break	
13.30 - 14.15	Key Note 4: ASA Automotive Skills Alliance - The New Initiative TRIREME - Re-skilling Strategies for European Car Industry (2024 - 2028), Dr Jakub Stolfa, and Peter Dolejsi ASA, ACEA	
14.30 - 15.30	Analysing the Role of Generative AI in Software Engineering - Results from an MLR Tuomas Bazzan, Benjamin Olojo, Przemysław Majda, Thomas Kelly, School of Computing, Dublin City University, Ireland, Murat Yilmaz, Gazi University, Ankara, Turkey, Gerard Marks, Faculty of Engineering and Computing, Dublin City University , and Paul M. Clarke, School of Computing, Dublin City University, Dublin, Ireland and Lero, the SFI Research Centre for Software, Dublin City University, Dublin, Ireland	Virtual Emergency Warnings via C-ITS – An Interdisciplinary Approach Walter Seboeck, University of Continuing Education Krems, Krems, Austria, Arndt Bonitz, AIT Austrian Institute of Technology, Vienna, Austria, Bettina Pospisil, University of Continuing Education Krems, Krems, Austria, Stefan Ruehrup, ASFINAG, Vienna, Austria, Christoph Schmittner, Martin Latzenhofer, AIT Austrian Institute of Technology, Vienna, Austria

Important Information

Key Underlying Concept

The workshop addresses new software engineering methods, new tools, new concepts and multidisciplinary approaches.

Interactive Workshop Approach

Each presentation will be discussed. A discussion at the end of each paper presentation is planned tow allow key questions from the audience to be answered by the authors.

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Workshop: Digitalisation of Industry, Infrastructure, and E-Mobility

Workshop-Moderators

Jakub Stolfa
VSB TUO, Czech Republic

Svatopluk Stolfa
VSB TUO, Czech Republic

Peter Dolejsi
ACEA, Belgium

Georg Macher
TU Graz, Austria

Andreas Riel
Grenoble Institute of
Technology, France

Michael Reiner
University of Applied Sciences
Krems, Austria

Richard Messnarz
ISCN GesmbH, Austria

Digitalisation of Industry, Infrastructure, and E-Mobility

Digitalisation of industry, vehicles, planes, infrastructure, services leads to new system and software architectures, new standards to be followed, new uses cases, new service models, and so forth. The EU Blueprint project DRIVES came up with a set of major drivers of change which are used below as thematic paper topics.

DRIVES (2018 - 2021) is a large EU project which implements the vision of GEAR 2030. Gear 2030 is a strategy pannel in Brussels where the association of car manufacturers in Europe and the association of all Automotive suppliers in Europe share an expert team to develop the vision of the future skills / job roles needed for the Automotive industry till 2030. The year 2030 marks a corner stone where cars are driving in a networked infrastructure and cars are developed with so much intellegence, electronics, sensors and software to offer self driving. Moreover, it is planned to network the entire infrastructure, with a production in an industry 4.0 environment and on the air uploads to update cars constantly. Also new energy concepts are planned to provide enough electric power and new service and business models are created. And new chemical and material research is done to allow leight weight vehicles, and vehicles that can reload batteries during drive etc. Members of DRIVES will share exeriences with contributing parties, and experts contribution papers can share their ideas with GEAR 2030 and DRIVES. DRIVES is continued by the Blueprint FLAMENCO (2022-2024) that established an Automotive Skills Alliance in Europe as the pact for skills partner in the automotive sector. And the new Blueprint TRIREME (2024-2028) started to support the future green mobility skills related strategy of Europe wide upskilling and

reskilling.

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Workshop Program 05.09.2024

	Workshop - Digitalisation of Industry, Infrastructure, and E-Mobility
08.00 - 09.00	Registration
09.00 - 09.45	Key Note 2: AI in Software Engineering: Promise and Perils, Professor Dr. C. Greiner, Professor Dr. Thomas C. Peisl Hochschule München, Germany
09.45 - 10.30	Key Note 3: Challenges in Automotive, Prof. Dr Bernd Hindel Founder ASQF, Founder Methodpark, Founder of SOQRATES, Germany
10.30 - 11.00	Coffee Break
11.00 - 12.00	**A Model for the EU-wide Collaboration on Skills Agenda in the Automotive-mobility Ecosystem** Marek Spanyik, Jakub Stolfa, Svatopluk Stolfa, VSB - Technical University of Ostrava, Czech Republic **Considerations about integration of GenAI into products and services from an ethical and legal perspective** A. Poth, Volkswagen AG, , Germany, A. Wildegger and D.-A. Levien, AUDI AG, Germany
12.00 - 13.30	Lunch Break
13.30 - 14.15	Key Note 4: ASA Automotive Skills Alliance - The New Initiative TRIREME - Re-skilling Strategies for European Car Industry (2024 - 2028), Dr Jakub Stolfa, and Peter Dolejsi ASA, ACEA
14.30 - 15.30	**Problems with support for organizations to build their innovation management systems (merged with innovation WS)** Mikus Zelmenis, KVALB, Latvia **The innovation agent task force in the Automotive Skills Alliance (ASA) and innovation assessment best practices (merged with innovation WS)** Laura Aschbacher, EuroSPI GesmbH, Austria , Jorn Johansen, Whitebox, Denmark, Mikus Zelmenis, KVALB, Latvia, Richard Messnarz, Damjan Ekert, ISCN GmbH, Austria , Jonathan Breitenthaler, EuroSPI GesmbH, Austria
15.30 - 16.00	Coffee Break
16.00 - 18.00	**Towards conceptually elevating modern concepts of Operational Design Domains and implications for operating in unstructured environments** Julian Eichenbaum , Leonard Bracht , Joschua Schulte-Tigges , Michael Reke , Alexander Ferrein and Ingrid Scholl, The Mobile Autonomous Systems and Cognitive Robotics Institute, FH Aachen University of Applied Sciences, Aachen, Germany **An On-Off MPTCP Congestion Control Algorithm for Streaming Services** Lukasz Piotr Luczak, and Przemysław Ignaciuk, Lodz University of Technology, Poland **Legal Uncertainties Regarding Cybersecurity for European Motorcycle OEMs** Thomas Faschang, KTM Informatics GmbH, Austria, Omar Veledar, and Georg Macher, Graz University of Technology, 8010 Graz, Austria **A Process Model for Deriving Asset Administration Shells for Inter-Company Collaboration – A Practical Approach** Alexander Salinas Segura, DRÄXLMAIER Group, Vilsbiburg, Germany , Mario Angos Mediavilla, Luca Braun, Coroplast Group, Germany, Matthias Freund, Festo SE & Co. KG, Esslingen, Germany, Christian Kosel, ARENA2036 e.V., Stuttgart, Germany, Miguel Rodriguez, Komax AG, Dierikon, Switzerland
till 19.00	Attendees go by public transport and leave at Gartenstrasse (line 27) or at Scheidplatz (line 12). From there it is 550 m walking through the famous Luitpoltpark.
19.00 - 23.30	19.00 - 19.30 Arrival at the Bamberger House 19.30 - 20.15 Classical Music Event Karol Danis and Anton Bashynskyi are exceptional musicians who play classical music at EuroSPI social events since 2021 and have both won a number of international prizes. See the profile of Karol Danis and of Anton Bashynskyi. Music Program: F.M. Bartholdy: Fantasie (Klavier solo)

J.Brahms: Adagio von Violine Sonate dmol

P.I.Tchaikovsky: Souvenir d'un lieu cher, – Mélodie

A.Dvořák: Romantische Stück

J.Massenet: Méditation aus Thais

F.Kreisler: Three Old Viennese Dances

R.Strauss: Morgen

20.30 - 23.30 Gala-Diner at the Bamberger House.

Workshop Program 06.09.2024

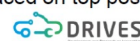|	Workshop - Digitalisation of Industry, Infrastructure, and E-Mobility	
08.00 - 09.00	Registration	
08.00 - 09.00	Registration	
09.00 - 09.45	Room: Plenary	
	Key Note 5: Consistency for more than one Threat Analysis and Risk Assessment and Security Element out of Context Experiences , Dr Thomas Liedtke Magility, and Dr Richard Messnarz, ISCN	
09.45 - 10.30	Room: Plenary	
	Key Note 6: From Pharaohs to the Future: Iterative Engineering Excellence Across Millennia	
	Samer Sameh is a principal ASPICE Assessor, SAFe program consultant and Valeo senior process improvement manager, and Aly GadElRab is the Software Test Lead at Valeo's Lighting Division, VALEO, Egypt	
10.30 - 11.00	Room: Exhibition Space	
	Coffee Break	
11.00 - 12.00	Autonomous vehicles and the ethical hierarchy	The future of automotive engineering and assessments – Will the curse of complexity hit Assessors KO?
	Masao Ito, NIL Inc., Tokyo, Japan	Richard Messnarz, ISCN GesmbH , Austria, Andreas Riel, Grenoble Alpes University, CNRS, Grenoble INP, G-SCOP, France, and ISCN Group, Georg Macher, TU Graz, Graz, Austria and ISCN Group
12.00 - 13.00	Shorter Lunch Break	
13.15 - 14.00	Room: Plenary	
	Plenary: An outllook to the future EuroSPI Conference, Academy, Certificates and Service Eco-System - A Vision of Futire SPI, Dr Richard Messnarz, sharing a vision, EuroSPI	
14.00 - 14.30	Rory O Connor Paper Award and Best paper Award together with USA partnership.	

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Innovation Agent Events

Background

EU Blueprint DRIVES (2018-2022)
Sector skills study shows innovation is placed on top position 4 of required job roles.

EU Project TIMS (2023-2024)
Developed training materials and assessment portal for innovation management systems based on upcoming ISO 56000 norm series.

EU Blueprint FLAMENCO (2023-2024)
For the exploitation of Blueprints in the green mobility area the Automotive Skills Alliance has been formed as an association. FLAMENCO developed a service model to launch job roles with certificates for the sector.
FLAMENCO launches in 2024 the innovation agent task force and certificate. TIMS materials will also contribute to the knowledge pool.

Marie Curie OpenInnoTrain (2018-2022)
Openinnotrain sponsors travel cost of researchers to work together in innovation topics (no effort is funded)

Co-funded by the European Union

Additional Information

Programme

The idea of this workshop community is to elaborate a set of best practices and success factors for the implementation of a digitilised industry, infrastructure and highy automated vehicles. Also DRIVES develops a pool of skills that will be provided with training to the Automotive industry and this workshop is contributing to ideas to be implemented in DRIVES.

Relevant topics, among others will be Industry 4.0 advanced manufacturing, additive layer manufgacturing (3D printing), knowledge engineering, robotics & automation, artificial intelligence, Smart Car, Car to Car communication, sensor clusters, Highly Automoted Drive, Fail Safe Concepts, Big Data Processing, Robotic engineering, Electrical Powertrain
Zero Emission, Smart energy management, New business models, New legislation
Learning vehicles, sustainability (CO2 reduction) Eco & recycling, Used electronics treatment e.g. battery, bio(circular) economy, Hydrogen/Fuel Cell vehicles, E-Mobility service models, etc.

Interactive Workshop Approach

Focus of interest and main questions discussed during the workshop will be:
- Best and next practices to develop a digitilised industry, infrastructure, automated vehicles, planes, trains, etc.
- Standards to be considered in implementing the digitilisation strategy.
- Bad practices/experiences (what not to do) to deploy the digitilisation strategy..
- How can existing organisations adapt to the digitilisation strategy. in terms of skills, roles, competencies, system environment, software environment, etc.
- Which assessment model can be used to measure the capability of an artificial intelligence based digitilised infrastructure?
- Which new comcepts are needed to mange this?

Each presentation will contribute topics for interdisciplinary discussion in the group. Finally, a panel discussion shall come up with a summary of the research and industry challenges and solutions identified and elaborated further for the next EuroAsiaSPI² conference edition.

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Workshop: Innovation Challenges till 2030 – Empowerment of the Drivers of Change

Workshop-Key-Contributors and Moderators

Jorn Johansen (lead moderaor)

Whitebox, Denmark

Mag. MBA Bruno Wöran

ISPIM Board Member, Austria

Joanne Hyland

rInnovation Group,USA

BA Laura Aschbacher (lead co-moderaor)

EuroSPI GmbH & ISCN GmbH, Austria

Prof. Tom Peisl

Hochschule Munich, Germany

Dr Georg Macher

TU Graz, Austria

Innovation Challenges in the 21st Century

Dr Richard Messnarz, Dr Georg Macher were WP leaders in the EU Blueprint project DRIVES, which developed **a skills agenda for the future automotive industry.** The project delivered studies about drivers of change, new skills needs, and new developments towards a networked smart car which is connected to other services around. One outcome was that is a need for more innovation in **creating new business models that fit with the new expected changes. The concept of an innovation agent skills profile has been created. In the EU project TIMS an innovation assessment method and tool has been developed that will be used by the innovation agents in future.**
Dr Richard Messnarz (in cooperation with TU Hannover) and Dr Georg Macher (in various secondments) were supported by the Marie Curie EU Project OPENINNOTRAIN for meeting partners that collaborate on these innovation strategies.

Mag. Bruno Wöran together with Dr Messnarz **developed in the past an innovation manager training, and they drift now to a new paradigm that instead of having an innovation manager centrally controlling an innovation database in times of radical innovation we need to empower agents in all teams to unleash the ideas of how to use the new functional options that come up.**

Dr Richard Messnarz
ISCN, Austria

Olaolu Segun Odeleye
Deloris Mundo, Nigeria

Babatunde Adedotun Salawu
Deloris Mundo, Nigeria

Prof. Tom Peisl is a highly recognised researcher at Hochschule München and teaches innovation and business models and has numerous projects with industry in that area as well. He will contribute with recent **studies about human centred innovation strategies which are imposed by the innovation agent concept**.

Joanne Hyland is the President of the rInnovation Group and former Vice President, New Venture Development at Nortel Networks. She is a strategic innovation expert and consults fortune 1000 companies and **contributed her ideas to DRIVES about the future skills of innovation agents**.

Laura Aschbacher has a degree in information design from the University of Applied Sciences Joanneum, Graz. She is a member of the EuroSPI innovation agent workshop series program committee and in the DRIVES project created the innovation agent key note and lecturing videos and co-moderates the innovation agent trainer interaction workshops. She is a researcher in digital innovation and has also a Master degree in communication and interaction design at the University of Applied sciences Joanneum. **Currently in a cooperation between TU Graz and ISCN she does an MBA study (in parallel to her job) for digital business innovation. In the EU blueprint project FLAMENCO she is together with Dr Messnarz, and DI Ekert setting up an European innovation agent task force.**
In the EU project TIMS she is a researcher that developed with the TIMS partners and the ISCN team an ISO 56000 based innovation assessment system and tool that is now used in leading industry.

Olaolu Segun Odeleye and Babatunde Adedotun Salawu from Nigeria are members in the EU project TIMS in which training for the new **ISO 56000 Innovation Management System norm** is being developed and an ISO 56000 assessment system will be established in Europe and Nigeria. Deloris Mundo acts as an **innovation contact point for European organisations in Nigeria**.

See the KEY NOTE from Prof Peisl in the EuroSPI Youtube Channel, held at the DRIVES innovation workshop.

- Study results from EU Blueprint DRIVES
- The new human centred innovation concepts
- The human centred innovation agent strategy
- Papers from innovation research
- creative workshop about future business functions/options in a connected environment (with automotive networked)

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Workshop Program 05.09.2024

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08.00 - 09.00	Registration
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Time			
09.45 - 10.30	Key Note 3: Challenges in Automotive, Prof. Dr Bernd Hindel Founder ASQF, Founder Methodpark, Founder of SOQRATES, Germany		
10.30 - 11.00	Coffee Break		
11.00 - 12.00	Applying Innovation Training in a Real-World Assessment Scheme Beyond (Proven) Track Records Alexander Niklas, Capgemini Deutschland GmbH, Munich, Germany, Heike Bliedung, Capgemini Deutschland GmbH, Erfurt, Germany, Alexander Salinas Segura, Rosenheim, Germany, Thomas Peisl, Munich University of Applied Science, Germany		Guiding firms in navigating innovation: E-Learning as driver to enhance trust in technology Alexander Ziegler, Fresenius University of Applied Sciences, Germany, Thomas Peisl, Munich University of Applied Science, Germany, Jennifer Brehm, Master Candidate at TU Munich, Germany
12.00 - 13.30	Lunch Break		
13.30 - 14.15	Key Note 4: ASA Automotive Skills Alliance - The New Initiative TRIREME - Re-skilling Strategies for European Car Industry (2024 - 2028), Dr Jakub Stolfa, and Peter Dolejsi ASA, ACEA		
14.30 - 15.30	Problems with support for organizations to build their innovation management systems (merged with Emobility strategy WS) Mikus Zelmenis, KVALB, Latvia		The innovation agent task force in the Automotive Skills Alliance (ASA) and innovation assessment best practices (merged with emobility strategy WS) Laura Aschbacher, EuroSPI GesmbH, Austria , Jorn Johansen, Whitebox, Denmark, Mikus Zelmenis, KVALB, Latvia, Richard Messnarz, Damjan Ekert, ISCN GmbH, Austria , Jonathan Breitenthaler, EuroSPI GesmbH, Austria
15.30 - 16.00	Coffee Break		
16.00 - 18.00	Using the ISO 56000 based Innovation Assessment and Benchmarking System (Presentation) Laura Aschbacher, EuroSPI GesmbH, Austria , Jorn Johansen, Whitebox, Denmark,	Experiences in performing ISO 56000 based Innovation Assessments (Presentation) Jorn Johansen, Whitebox, Denmark, Laura Aschbacher, EuroSPI GesmbH, Austria	First experiences from ISO 56000 based innovation assessments - feedback from practice (Presentation) Olaolu Segun Odeleye, Babatunde Adedotun Salawu, Deloris Mundo, Nigeria	Playing with the assessment and benchmarking tool of the innovation agent task force (game) Laura Aschbacher, EuroSPI GesmbH, and ISCN GesmbH, Austria
till 19.00	Attendees go by public transport and leave at Gartenstrasse (line 27) or at Scheidplatz (line 12). From there it is 550 m walking through the famous Luitpoltpark.		
19.00 - 23.30	19.00 - 19.30 Arrival at the Bamberger House 19.30 - 20.15 Classical Music Event Karol Danis and Anton Bashynskyi are exceptional musicians who play classical music at EuroSPI social events since 2021 and have both won a number of international prizes. See the profile of Karol Danis and of Anton Bashynskyi. Music Program: F.M. Bartholdy: Fantasie (Klavier solo) J.Brahms: Adagio von Violine Sonate dmol P.I.Tchaikovsky: Souvenir d'un lieu cher, – Mélodie A.Dvořák: Romantische Stück J.Massenet: Méditation aus Thais F.Kreisler: Three Old Viennese Dances R.Strauss: Morgen 20.30 - 23.30 Gala-Diner at the Bamberger House.		

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Co-funded by
the European Union

Additional Information

Key Contributors

The goal of this workshop community is to deal with new forthcoming innovation strategies for organizations- This includes e.g.

- ISO 56000
- Innovation Assessment
- Innovation methods
- open innovation
- open architecture innovation
- Strategic intelligence
- New service models
- Service models for e-mobility
- Service models for intelligent infrastructures
- New business models
- New stakeholder/customer networks/concepts
- New innovation roadmapping strategies.

Join this workshop and discuss your experiences.

Interactive Workshop Approach

Focus of interest and main questions discussed during the workshop will be:

- Best practices concerning new innovation norms and methods dealing with new drivers of change
- Best practices concerning new service and business models needed to develop the future visions
- etc.

Each presentation will be discussed and there will be an assessment game using the ISO 56000 based assessment system.

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Newsflash   *Early* Registration till 1st August 2025   ‹ ›

ICSSP Stream at EuroSPI

Workshop-Moderators

Ita Richardson, General Chair 2024
Lero and University of Limerick, Ireland,
Ireland

Paul Clarke, Steering Committee Chair
Lero and Dublin City University, Ireland,
Ireland

John Noll, Program Chair
University of Hertfordshire, UK

Jil Klünder, Program Chair
Leibniz University Hannover, Germany

Stan Sutton, Program Chair
IBM Research (retired), USA

ICSSP Program 04.09.2024

International Conference on Software and Systems Processes (ICSSP 2024)

The theme of ICSSP 2024 is Process for Sustainable Development. This includes applications of software and systems engineering to the goals for sustainable development identified by the United Nations, including problems of
Poverty, hunger, and health
Clean energy, clean water, and sanitation
Equality, justice, peace
Climate action
Sustainable consumption, production, innovation, and infrastructure
It also includes issues of sustainable software and systems engineering.

REGISTER NOW

International Conference on Software and Systems Processes (ICSSP 2024) 4.9.2024

Time		
08.40 - 09.15	Opening by Hochschule München EuroSPI Chair, Dr Richard Messnarz Stan Stutton, President of the ISSPA, USA, and Prof. Ita Richardson of UL and Lero, Ireland, General Chair of ICSSP 2024 Automotive Skills Alliance, Dr Jakub Stolfa, ASA Director iNTACS, Bernhard Sechser, Advisory Board Member Samer Sameh, EuroSPI Chair for ASA Cooperation	
09.30 - 10.30	Welcome to ICSSP 2024 Jil Klünder and John Noll, Program Co-chairs	Breaking old Habits: On Success Factors in Software Process Improvement Kseniia Vasylieva, Steffen Küpper and Marco Kuhrmann
10.30 - 11.00	Coffee Break	
11.00 - 12.00	Maintaining Security Consistency During System Development with Security-Oriented Model Federation Chahrazed Boudjemila, Fabien Dagnat and Salvador Martínez	Supporting Engineering Process Compliance via Generation of Detailed Guidance Actions Anmol Bilal, Christoph Mayr-Dorn and Alexander Egyed
12.00 - 13.30	Lunch Break	
13.30 - 14.30	Keynote Presentation: Process Quality and Product Quality—Is There Still a Difference and Should We Even Care? Chair: Jil Klünder Florian Deissenböck, Software Quality Expert and Founder CQSE GmbH, Munich	
14.30 - 15.30	Interaction Prediction and Anomaly Detection in a Microservices-based Telecommunication Platform Kemal Aktas and H. Hakan Kilinc	Capability Modeling for Corporate Cognition Stanley Sutton Jr.
15.30 - 15.45	Coffee Break	
15.45 - 17.15	Key Note 1: LLM and GenAI based SE processes, International Panel led by Anita Carlton, SW Engineering Director SEI, Carnegie Mellon University, USA Panel Chair: Anita Carleton, Carnegie Mellon University, Software Engineering Institute Executive Software Solutions Director, IEEE Fellow Panelists are: Professor Lionel Briand, Science Foundation Ireland Research Centre for Software, Director Dr. Ipek Ozkaya, Carnegie Mellon University Software Engineering Institute Engineering Intelligent Software Systems Technical Director Dr. Alexander Poth, Volkswagen AG, IT Quality Manager John Robert, Carnegie Mellon University Software Engineering Institute Software Solutions Deputy Director Roland Weiss, Head of R&D and Technology, ABB	
17.30 - 18.30	Buses will bring the attendees to the Rosenheimer Herbstfest	
	Note: To reach the beer festival and not lose the places we must leave at 17.30 with the busses (sorry for that short time, but later reservations are not possible because the festival is so well known that other people/groups/tourists will compete/pay/invest for the places onsite). The buses are directly in front of the building. You can either store your bags at the conference location (locked till next morning), or you can take them to the bus and you will have the same bus on the journey back. Have a nice typical Bavarian festival, if possible in Lederhosen!	
18.30 - 22.00	Traditional Bavarian Food, Beer and Music Address: Herbststraße 2, 83022 Rosenheim, Germany	

Workshop Program 05.09.2024

International Conference on Software and Systems Processes (ICSSP 2024) 4.9.2024

Time	
08.00 - 09.00	Registration
09.00 - 09.45	Key Note 2: AI in Software Engineering: Promise and Perils, Professor Dr. C. Greiner, Professor Dr. Thomas C. Peisl Hochschule München, Germany
09.45 - 10.30	Key Note 3: Challenges in Automotive, Prof. Dr Bernd Hindel Founder ASQF, Founder Methodpark, Founder of SOQRATES, Germany

10.30 - 11.00	Coffee Break
11.00 - 12.00	Insights on Implementing a Metrics Baseline for Post-Deployment AI Container Monitoring / Fully Automated DORA Metrics Measurement for Continuous Improvement

11.00 - 12.00

Insights on Implementing a Metrics Baseline for Post-Deployment AI Container Monitoring

Hasan Yasar, Jose Morales and Luiz Antunes Antunes

Fully Automated DORA Metrics Measurement for Continuous Improvement

Janick Rüegger, Martin Kropp, Sebastian Graf and Craig Anslow

12.00 - 13.30	Lunch Break

13.30 - 14.30

Keynote Presentation: Hybrid Work in Agile Software Engineering: Challenges and Solutions

Maria Paasivaara, Professor, Software Engineering, School of Engineering Science, LUT University, Finland

14.30 - 15.30

Software Process as a Service: Towards A Software Process Ecosystem

Oliver Greulich, Christoph Knieke, Bassel Rafie, Andreas Rausch and Marco Kuhrmann

An Experience Report on Modeling Software Process in Industrial Context: Challenges and Solutions

Yue Li, He Zhang, Liming Dong, Bohan Liu and Lanxin Yang

15.30 - 16.00	Coffee Break

16.00 - 17.30

Panel: Applying Software and Systems Engineering to the UN Sustainable Development Goals

Participants coming soon

17.30 - 18.00

Panel: ICSSP Closing

Ita Richardson, ICSSP 2024 General Chair, and Paul Clarke, ICSSP Steering Committee Chair

till 19.00

Attendees go by public transport and leave at Gartenstrasse (line 27) or at Scheidplatz (line 12). From there it is 550 m walking through the famous Luitpoltpark.

19.00 - 23.30

19.00 - 19.30 Arrival at the Bamberger House

19.30 - 20.15 Classical Music Event

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Music Program:

F.M. Bartholdy: Fantasie (Klavier solo)

J.Brahms: Adagio von Violine Sonate dmol

P.I.Tchaikovsky: Souvenir d'un lieu cher, – Mélodie

A.Dvořák: Romantische Stück

J.Massenet: Méditation aus Thais

F.Kreisler: Three Old Viennese Dances

R.Strauss: Morgen

20.30 - 23.30 Gala-Diner at the Bamberger House.

Important Information

Key Underlying Concept

The workshop addresses new software engineering methods, new tools, new concepts and multidisciplinary approaches.

Interactive Workshop Approach

Each presentation will be discussed. A discussion at the end of each paper presentation is planned tow allow key questions from the audience to be answered by the authors.

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Workshop

Newsflash   *The EuroSPI & ICSSP 2024 Conference Program is online - join our community and register*   ‹ ›

Workshop: Good Process Improvement Practices (all Branches)

Workshop-Moderators

Thomas Wegner
ZF TRW, Germany
Main Moderator

Elli Goergiadou
Middlesex University, UK
Co-Moderator

Eva Breske
BOSCH Engineering GmbH, Germany

Kerstin Siakas
International Hellenic University, Thessaloniki,
Greece, and Vaasa University, Finland

Thomas Schweigert
Expleo Group, Germany

Mirna Munoz
CIMAT, Mexico

PI Manifesto - Good Process Improvment Practices (all Branches)

The studies presented this year are valid for a **PI manifesto in general** and not only specific to Software. **Therefore we expand the manifesto for further branches and content**, starting from 2021 onwards.

Eleven years since the inception of the SPI Manifesto and ten years since its publication many socio-technical developments have come about. Cloud, Containers and Microservices, Open Source Software production and mobile devices are now all far more prevalent. The Automotive Industry, and other large and complex systems like e-Government, e-Health, Travel and so on, moved to using Big Data and Artificial Intelligence. In addition to socio-economic challenges, these developments present legal, ethical, political, environmental and demographic challenges. As the late Rory O Connor emphasised: because organisations operate as parts of a larger ecosystem and society all these socio-technical and other factors prompt for analysis with the aim of constantly re-aligning the organisational strategy to shifting business environments to survey, stay competitive, add business value and achieve sustainability! The SPI Manifesto has always supported industry in their effort to understand, adapt and improve their processes. In this workshop, held jointly by academics and practitioners, we will debate and analyse the challenges and opportunities for quality improvements, based on the premise that an improved process results in quality improvement of the resulting products and services. Using **a multidimensional approach and the STEEPLED (Sociocultural, Technical, Economic, Environmental, Political, Legal, Ethical and Demographic) analysis tool**, we will share ideas and experiences which will

be encapsulated the findings in concrete proposals for the adaptation, evolution and extension of the SPI Manifesto.

Please participate in the SPI manifesto survey about how social factors influence the success (values and principles). This will be used as input to the SPI workshop.

Also **an initiative has been started to build an SPI case study and knolwedge library for EuroSPI**. On the one hand a SPI database of case studies will be set up (shared work of Egypt SPI Consortiu, Japanses SPI consortium and planning to involve Poznan Supercomputing centre). **And secondly ISCN is setting up a NID server (Networked Interactive Digital Material) supported by Prof. Hermann Maurer, IICM, TU Graz, to store knowledge and link knowledge from important SPI materials / books**. Every EuroSPI conference will deliver y a compendoum of presentations like a book and link all relevent studies and data in the cloud from there, as a starting point.

And **we also support the strategy assessment tool based on ISO TR 33014 for improvability analysis** of orgaisattions, originally developed by the Danish partner Whitebox.

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16.00 - 18.00	A multidimensional perspective of IT systems failures and their human consequences – the case of the UK Post-Office IT Horizon system failure and the most widespread miscarriage of justice Elli Georgiadou, Harjinder Rahanu, Middlesex University London, London, UK, Kerstin Siakas, International Hellenic University, Thessaloniki, Greece, and University of Vaasa, Finland, Errikos Siakas, National Archaeological Museum, Thessaloniki, Greece, Dimitrios Siakas, Häme University of Applied Sciences, Finnland, Margaret Ross, Geoff Staples, Solent University, Southampton, UK	A Model for Designing Organizational Change Plans Otto Vinter, Roskilde University, Denmark, Peter H. Carstensen, University of Copenhagen, Denmark	Play4SPI Tomas Schweigert, Bettina Frischhut, Expleo Technology Germany GmbH	Playing SPI games Interactive session with Tomas Schweigert - Play 4 SPI
till 19.00	Attendees go by public transport and leave at Gartenstrasse (line 27) or at Scheidplatz (line 12). From there it is 550 m walking through the famous Luitpoltpark.			
19.00 - 23.30	19.00 - 19.30 Arrival at the Bamberger House 19.30 - 20.15 Classical Music Event Karol Danis and Anton Bashynskyi are exceptional musicians who play classical music at EuroSPI social events since 2021 and have both won a number of international prizes. See the profile of Karol Danis and of Anton Bashynskyi.			

Music Program:

F.M. Bartholdy: Fantasie (Klavier solo)

J.Brahms: Adagio von Violine Sonate dmol

P.I.Tchaikovsky: Souvenir d'un lieu cher, – Mélodie

A.Dvořák: Romantische Stück

J.Massenet: Méditation aus Thais

F.Kreisler: Three Old Viennese Dances

R.Strauss: Morgen

20.30 - 23.30 Gala-Diner at the Bamberger House.

Workshop Program 06.09.2024

	Workshop: Good Process Improvement Practices (all Branches)	
08.00 - 09.00	Registration	
08.00 - 09.00	Registration	
09.00 - 09.45	Room: Plenary	
	Key Note 5: Consistency for more than one Threat Analysis and Risk Assessment and Security Element out of Context Experiences , Dr Thomas Liedtke Magility, and Dr Richard Messnarz, ISCN	
09.45 - 10.30	Room: Plenary	
	Key Note 6: From Pharaohs to the Future: Iterative Engineering Excellence Across Millennia	
	Samer Sameh is a principal ASPICE Assessor, SAFe program consultant and Valeo senior process improvement manager, and Aly GadElRab is the Software Test Lead at Valeo's Lighting Division, VALEO, Egypt	
10.30 - 11.00	Room: Exhibition Space	
	Coffee Break	
11.00 - 12.00	Case Study: Game-Based Learning of SPI Manifesto - Behavior and Attitude Transformation Using Small-step Good Practices in the Sugoroku Game So NORIMATSU, Makoto OOMORI, Keiko MIZUTA, Aiichiro NIWA, Yoshiyuki ANAN, Kiyoshi ENDO, Japan Software Process Improvement Consortium (JASPIC), Tokyo, Japan	Key Note Triggered Continued Discussion - Gamification Framework in Automotive SW Development Environment to Increase Teams Engagement and Competencies Khaled Badr, Mourad Mounir, Software Excellence, Leading OEM, Berlin, Germany, Samer Sameh, Valeo, Egypt
12.00 - 13.00	Shorter Lunch Break	
13.15 - 14.00	Room: Plenary	
	Plenary: An outtlook to the future EuroSPI Conference, Academy, Certificates and Service Eco-System - A Vision of Futire SPI, Dr Richard Messnarz, sharing a vision, EuroSPI	
14.00 - 14.30	Rory O Connor Paper Award and Best paper Award together with USA partnership.	

Additional Information

Key Contributors

Key contributions to the Workshop will come from European initiatives which developed best practices for SPI. However, the workshop is open to include experts who are willing to share their best practices with the community. We invite experts from knowledge areas like

• Good practices / experiences with the implementation of improvement programs
• Bad practices / experiences (what not to do) with the implementation of improvement programs
• Standards / programs supporting improvement coaching concepts
• Areas where improvement is most difficult to manage and how to solve this
• Key success factors
• Metrics to be used for tracking improvement programs

to share, discuss, and publish their experiences with EuroAsiaSPI.
Still the good/bad practices library needs to grow and we must constantly learn and also update the concept of programs like SPI manager.

Interactive Workshop Approach

From 2018 onwards all submitted papers in the book with reference the SPI manifesto or suggest extensions to the existing SPI manifesto. These new inputs will be considered in this workshop.
An editorial board (**Gabriele Sauberer, Paul Clarke, So Norimatsu**) will analyse the SPI Manifeso inputs in the papers before the workshop and contribute this an an input to the workshop.
In the interactive workshop then an idea for an extension of the existing SPI Manifesto terminology is elaborated.
The idea is to continuously elaborate further the terminology underlying the SPI term.
See also the SPI Manifesto and SPI terminology strategy of EuroAsiaSPI².

Newsflash   *The EuroSPI & ICSSP 2024 Conference Program is online - join our community and register*   ‹ ›

Workshop: Functional Safety and Cybersecurity

Workshop-Moderators

Alexander Much, Elektrobit, Germany

Miklos Biro, SCCH, Austria

Richard Messnarz, ISCN GmbH, Austria

Definition of Functional Safety and Cybersecurity

Implementing Functional Safety and Cybersecurity of electronic systems requires a broad spectrum of skills for a thorough understanding of domain specific standards and technological advances, engineering of complex functions and countermeasures against unintended behavior both due failures and security attacks with balanced architecture decisions, usage and misuse profiles. Automotive and Medical domain scenarios will be presented and discussed. Also contributions and discussions will be included concerning "How much agile is possible in safe and cyber secure systems and software development?".

Workshop Program 04.09.2024

Workshop - Best Practices in Design of Systems Applying Functional Safety and Cybersecurity

08.40 - 09.15	Opening by Hochschule München
	EuroSPI Chair, Dr Richard Messnarz
	Stan Stutton, President of the ISSPA, USA, and Prof. Ita Richardson of UL and Lero, Ireland, General Chair of ICSSP 2024
	Automotive Skills Alliance, Dr Jakub Stolfa, ASA Director
	iNTACS, Bernhard Sechser, Advisory Board Member
	Samer Sameh, EuroSPI Chair for ASA Cooperation

09.30 - 10.30	**AI-Driven Test Flow Generation from Semi-Formal Functional Safety Requirements** Bhargav Adabala, Gerhard Griessnig, Adam Schnellbach, Martin Ringdorfer, Christian Santer, Aisha Maria Puchleitner, Kaan Suar, Martin Mandl, Vanesa Klopic, AVL List GmbH, Austria	**Understanding the Implications: Critical Path Analysis vs Dependent Failure Analysis in ISO 26262 Safety Methodology** Mohammed Hussein, Ahmed Zeyad, Yasser ElAdawy, SEITech-Solutions GmbH	
10.30 - 11.00	Coffee Break		
11.00 - 12.00	**Towards the Development of a Data Security Risk Management Framework for Medical Device Software AI Models** Buddhika Jayaneththi, Fergal Mc Caffery, Gilbert Regan, Regulated Software Research Centre, Dundalk Institute of Technology, Dundalk, Ireland	**Towards an integrated cybersecurity framework for small and medium enterprises** Jose A. Calvo-Manzano, Tomas San Feliu, Ángel Herranz, Julio Marino, Lars-Ake Fredlund, Ricardo Colomo-Palacios, Universidad Politecnica de Madrid, 28660 Madrid, Spain	
12.00 - 13.30	Lunch Break		
13.30 - 15.30	**Adapting a situation analysis method for railway at the example of passive crossings** Elaheh Gol Hashem, Walter Sebron, msg Plaut Austria GmbH, Austria	**Leveraging Digital Twins for Smart Hydropower: A Pathway to Industry 4.0** Thomas Krug, Omar Veledar, Georg Macher, Graz University of Technology, Austria	**A Proposal for ISO24089 Audit Methodology before Type Approvals: Interface with Automotive SPICE PAM4.0** Noha Moselhy, SEITech-Solutions GmbH, Ahmed Seddik, Quality Expert Volkswagen IF , and Doaa Badawy, SEITech-Solutions GmbH	**A Proposal for Enhancing IEC 61508 Methodology for the Beta-Factor Estimation** Sirisha Bai Govardhan Rao, Alstom, Sweden, Julieth Patricia Castellanos-Ardila, and Sasikumar Punnekkat, Malardalen University, Sweden
15.30 - 15.45	Coffee Break		
15.45 - 17.15	Key Note 1: LLM and GenAI based SE processes, International Panel led by Anita Carlton, SW Engineering Director SEI, Carnegie Mellon University, USA Panel Chair: Anita Carleton, Carnegie Mellon University, Software Engineering Institute Executive Software Solutions Director, IEEE Fellow Panelists are: Professor Lionel Briand, Science Foundation Ireland Research Centre for Software, Director Dr. Ipek Ozkaya, Carnegie Mellon University Software Engineering Institute Engineering Intelligent Software Systems Technical Director Dr. Alexander Poth, Volkswagen AG, IT Quality Manager John Robert, Carnegie Mellon University Software Engineering Institute Software Solutions Deputy Director Roland Weiss, Head of R&D and Technology, ABB		
17.30 - 18.30	Buses will bring the attendees to the Rosenheimer Herbstfest Note: To reach the beer festival and not lose the places we must leave at 17.30 with the busses (sorry for that short time, but later reservations are not possible because the festival is so well known that other people/groups/tourists will compete/pay/invest for the places onsite). The buses are directly in front of the building. You can either store your bags at the conference location (locked till next morning), or you can take them to the bus and you will have the same bus on the journey back. Have a nice typical Bavarian festival, if possible in Lederhosen!		
18.30 - 22.00	Traditional Bavarian Food, Beer and Music Address: Herbststraße 2, 83022 Rosenheim, Germany		

Workshop Program 05.09.2024

	Workshop - Best Practices in Design of Systems Applying Functional Safety and Cybersecurity
08.00 - 09.00	Registration
09.00 - 09.45	Key Note 2: AI in Software Engineering: Promise and Perils, Professor Dr. C. Greiner, Professor Dr. Thomas C. Peisl Hochschule München, Germany
09.45 - 10.30	Key Note 3: Challenges in Automotive, Prof. Dr Bernd Hindel Founder ASQF, Founder Methodpark, Founder of SOQRATES, Germany
10.30 - 11.00	Coffee Break
11.00 - 12.00	**Experiences with integrating Functional Safety and ASPICE assessments and audits (Presentation)**	**Data-Driven Engineering for Safe & Secure Automated Driving (Presentation)** Thomas Geipel, Andreas Albrecht, Robert Bosch GmbH, Stuttgart, Henrik Putzer, cogitron GmbH,

AVL List GmbH, and ISCN GmbH, Austria

Pliening, Germany

Additional Information

Key Contributors

Key contributions will come from European initiatives which developed best practices for traceability. However, the workshop is open to include experts who are willing to share their best practices with the community.

We invite experts to share their experiences with the EuroSPI community:

- Good practices / experiences
- Bad practices / experiences
- Implementation case studies
- Cybersecurity audits and assessments
- Safety Audits and Assessments

Interactive Workshop Approach

Focus of interest and main questions discussed during the workshop will be:

- Integrating a system design which covers all these norms? Examples and best practices.
- Integrating assessment models where in one assessment all norms can be covered (in areas where there is an overlapping and synergy effect).
- Can we implement agile in safety and security and if so, what are the best practices and/or limits?
- What are best practices in medical device industry and what are learning effects for Automotive? What are joined embedded system problems to be solved?
- What are best practices in Automotive industry and what are learning effects for the medical device industry? What are joined embedded system problems to be solved?

Each presentation will be discussed towards these main topics of interest. A panel discussion at the end shall come up with a summary of the solutions presented and with new research topics to focus on to solve this integrated approach (work for next year to meet at next EuroAsiaSPI and share again).

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Workshop: Standards and Assessment Models

Workshop-Moderators

https://conference.eurospi.net/images/eurospi/2020/damjanekert.jpg

Gerhard Griessnig

AVL, Austria

Damjan Ekert

ISCN GmbH, Austria

Samer Sameh

VALEO, Egypt

About Standards

In systems, software, services development more and more ISO, IEC, SAE IEEE standards, are published and need to be considered. With every technology push on the market the standards are adapted to fulfil the new needs. For instance, the development of smart connected cars and industry 4.0 leads to a high demand for cybersecurity norms. In general there is a large variety of engineering standards in ISO/IEC, SAE, IEEE, and national standards. Depending on the domain (Automotive, Medical, Aerospace, IT services, SMEs, etc.) different norms are applicable. Still many norms show cross-sector synergy potentials. For instance the medical device and Automotive safety relevant standards contain complementary best practices where each group can learn from the other. Additionally there are norms dealing with innovation management and with process improvement and change management. Etc.

In this workshop series every year different ISO standards and assessment models will be introduced, explained, and discussed. This should offer an entrance to the world of norms but also to offer help in selecting the norms or integrating them and why to use a specific norm.

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Workshop Program 04.09.2024

Workshop: Standards and Assessment Models

08.40 - 09.15	**Opening by Hochschule München** EuroSPI Chair, Dr Richard Messnarz Stan Stutton, President of the ISSPA, USA, and Prof. Ita Richardson of UL and Lero, Ireland, General Chair of ICSSP 2024 Automotive Skills Alliance, Dr Jakub Stolfa, ASA Director iNTACS, Bernhard Sechser, Advisory Board Member Samer Sameh, EuroSPI Chair for ASA Cooperation

09.30 - 10.30	**Analysis of Automotive SPICE V4.0 changes** Damjan Ekert, ISCN GmbH, Austria , Elena-Flavia Povirnaru, Cariad SE, Germany, Andreas Gasch, Cariad SE, Germany, Ralf Mayer, Bosch Engineering GmbH, Germany, So Norimatsu, NP Lab, Japan, Alexander Feulner. Process Fellows GmbH, Germany, Brigitte Kurz-Grießnig, Engineering Center Steyr GmbH & CO KG, Austria, Peter Lindermuth, Magna Powertrain GmbH & CO KG, Austria, Rainer Dreves, Dreves Rainer SPICE Consulting, Germany, Rudolf Grave, TASKING Germany GmbH, Germany, Dr. Richard Messnarz, ISCN GmbH, Austria	**Navigating ISO 21434 and ASPICE from Organizational- to Project-Level Compliance** Darius Barmayoun, Politechnica University of Timisoara, Timisoara, Romania, and SynSpace Group GmbH, Freiburg, Germany, Martin Kemeter, SynSpace Group GmbH, Freiburg, Germany
10.30 - 11.00	Coffee Break	
11.00 - 12.00	**A Study on Automotive SPICE Assessment Indicators Correlation with Product Quality** Mourad Mounir, Leading OEM [Confidential], Noha Moselhy, SEITech-Solutions GmbH, and Khaled Badr, Leading OEM [Confidential]	**A Software Test Maturity Model Customized for Aerospace Industries: A Systematic Literature Review** Aysegül OZKURT, Ebru GÖKALP, Hacettepe University, Turkey, Aylin HATIP IPEK, ROKETSAN A.S., Ankara, Turkey
12.00 - 13.30	Lunch Break	

13.30 - 15.30	**Fostering Cyber Resilience in Europe: An In-Depth Exploration of the Cyber Resilience Act** Christoph Schmittner, AIT, Austrian Institute of Technology GmbH, Graz University of Technology, Austria, Omar Veledar, Thomas Faschang, Georg Macher, Eugen Brenner, Graz University of Technology, Austria	**Implementing Process Increments in Sprints: An Approach for Complying with ASPICE** Sudeesh Bhat, Mourad Mounir, Khaled Badr, Leading OEM, Berlin, Germany	**Platform Assessment – Challenges and Recommendations regarding Automotive SPICE** Martina Richerzhagen, Matthias Braunersreuther, Groher Patrick, Thomas Wegner, ZF Friedrichshafen AG, Germany, Bernhardt Steger, ISCN GesmbH, Austria	**Automotive Cybersecurity Engineering Standardization and Regulation: An Integrated Model** Ahmed Adel Mohamed, MethodPark by UL Solutions, Germany, Heba Aslan and Tamer Arafa, Nile University, Giza, Egypt

15.30 - 15.45	Coffee Break
15.45 - 17.15	Key Note 1: LLM and GenAI based SE processes, International Panel led by Anita Carlton, SW Engineering Director SEI, Carnegie Mellon University, USA Panel Chair: Anita Carleton, Carnegie Mellon University, Software Engineering Institute Executive Software Solutions Director, IEEE Fellow Panelists are: Professor Lionel Briand, Science Foundation Ireland Research Centre for Software, Director Dr. Ipek Ozkaya, Carnegie Mellon University Software Engineering Institute Engineering Intelligent Software Systems Technical Director Dr. Alexander Poth, Volkswagen AG, IT Quality Manager John Robert, Carnegie Mellon University Software Engineering Institute Software Solutions Deputy Director Roland Weiss, Head of R&D and Technology, ABB
17.30 - 18.30	Buses will bring the attendees to the Rosenheimer Herbstfest Note: To reach the beer festival and not lose the places we must leave at 17.30 with the busses (sorry for that short time, but later reservations are not possible because the festival is so well known that other people/groups/tourists will compete/pay/invest for the places onsite). The buses are directly in front of the building. You can either store your bags at the conference location (locked till next morning), or you can take them to the bus and you will have the same bus on the journey back.

Have a nice typical Bavarian festival, if possible in Lederhosen!

18.30 - 22.00	Traditional Bavarian Food, Beer and Music
	Address: Herbststraße 2, 83022 Rosenheim, Germany

Additional Information

We invite experts who are working with

- ISO/IEC , SAE, IEEE standards to be considered in systems, software services development
- ISO , SAE, IEEE standards to be considered in process improvement and innovation management
- ISO/IEC , SAE, IEEE standards to be considered in systems, software services verification
- New forthcoming ISO, SAE, IEEE standards that will impact the future development
- Working parties who are representing standards in ISO, SAE, IEEE

Papers shall present the standard, its background (what needs it addresses, which processes and content, hints for implementation, potential contacts to follow up).

Interactive Workshop Approach

Focus of interest and main questions discussed during the workshop will be:

- New ISO, IEC, SAE, IEEE standards to be considered in systems, and software design
- New ISO, IEC, SAE, IEEE standards to be considered in services
- New ISO, IEC, SAE, IEEE standards to be considered in management
- New ISO, IEC, SAE, IEEE standards to be considered in innovation and improvement
- Comparing related IEEE, ISO, SAE norms

Proposing an integrated approach – addressing many norms in one approach

Each presentation will be discussed towards these main topics of interest. A panel discussion at the end shall come up with a summary of the solutions presented and with new research topics to focus on to solve this integrated approach (work for next year to meet at next EuroAsiaSPI and share again).

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Workshop: Sustainability and Life Cycle Challenges

Workshop-Moderator

Andreas Riel
Prof. at the Grenoble Institute
of Technology, France

Susumu Sasabe
JUSE, Japan

Michael Reiner
Prof. at the IMC FH Krems,
Austria

Sustainability and Life Cycle Challenges

The world is changing from having different separate products and production processes to an integrated IOT world with fully networked, automated, connected and AI supported processes. When you drive a car, maybe in 15 years from now you use the mobile and connect the IT infrastructure to everything in the life. How will such a world look like, How will a life cycle management in this future work?

Dr Andreas Riel is a Prof. at Grenoble INP and did his Habilitation in Innovation Management. He has 10 years experience with AVL in Austria, and works in leading industry projects with ISCN as a senior consultant since 15 years. He is and has been safety and security coach to leading automotive industry projects at supplier but also at OEM level. He is a program committee member at CIRP (world leading manufacturing engineering conference series) and member of the book editing team and program committee member of EuroSPI since many years. He is involved in leading research projects at Grenoble INP about life cycle engineering and manufacturing.

Supported by the Marie Curie EU project OPENINNOTRAIN (secondment Dr Messnarz in cooperation with TU Hamburg) the topic of frugal innovation has been integrated with a discussion from 2024 onwards. The topic of TUHH about frugal innovation where car makers can operate and develop at lower cost by still keeping a high level of quality and safety is important for the sustainability of European production and design processes.

REGISTER NOW

Workshop Program 04.09.2024

Workshop: Sustainability and Life Cycle Challenges

08.40 - 09.15	Opening by Hochschule München
	EuroSPI Chair, Dr Richard Messnarz
	Stan Stutton, President of the ISSPA, USA, and Prof. Ita Richardson of UL and Lero, Ireland, General Chair of ICSSP 2024
	Automotive Skills Alliance, Dr Jakub Stolfa, ASA Director
	iNTACS, Bernhard Sechser, Advisory Board Member
	Samer Sameh, EuroSPI Chair for ASA Cooperation

09.30 - 10.30	Qualitative assessment for the transferability of an Indus-trial Product-Service Systems from one application field to another within the same organization Marly Valderrama, Christian Wandji, Andreas Riel, Helmi Ben Rejeb, and Peggy Zwolinski, Grenoble Alpes University, CNRS, Grenoble INP, France	Improve IT sustainability with IT technology – comparison of an explore vs. exploit strategy (with a case study on containerized workloads) Alexander Poth, Luca Saalfeld, Volkswagen AG, Germany
10.30 - 11.00	Coffee Break	
11.00 - 12.00	Eco-friendly AI: A Guide to Energy-Efficient Techniques Across the AI Life-Cycle Bent Meemken and Alexander Poth, University of Hildesheim, Germany	Applications of AI-Algorithms for optimizing the range and minimizing the risk of electric vehicles Lara Sophie van Haentjens, Ruben Ruiz Torrubiano and Michael Reiner, IMC University of Applied Science Krems, Austria
12.00 - 13.30	Lunch Break	

13.30 - 15.30	Component-as-a-Service for Electrical and Electronic Equipment: Business Model, Circularity, and Design Implications Jose Hidalgo-Crespo, Andreas Riel, Grenoble Alpes University, CNRS, Grenoble INP , France, Paulina Golinska-Dawson, Poznan University of Technology, Poland, Alex Bunodiere, Joost R. Duflou, Katholieke Universiteit Leuven, Belgium	Accessibility Testing and Sustainability - Considerations, Concepts, and Lasting Implementations Alexander Poth, Torben Prang and Olsi Rrjolli, Volkswagen AG, Germany	Discussion about frugal innovation. Discussion - invited expert Dr. rer. pol. Stephan Buse, Center for Frugal Innovation at the Technical University of Hamburg	INCREASE - Ecosystem Cultural Heritage Experience - and CliP-ComE - Climate Protection Gerald Wagenhofer, UBW Unternehmensberatung Wagenhofer GmbH, Austria

15.30 - 15.45	Coffee Break
15.45 - 17.15	Key Note 1: LLM and GenAI based SE processes, International Panel led by Anita Carlton, SW Engineering Director SEI, Carnegie Mellon University, USA
	Panel Chair: Anita Carleton, Carnegie Mellon University, Software Engineering Institute Executive Software Solutions Director, IEEE Fellow
	Panelists are:
	Professor Lionel Briand, Science Foundation Ireland Research Centre for Software, Director
	Dr. Ipek Ozkaya, Carnegie Mellon University Software Engineering Institute Engineering Intelligent Software Systems Technical Director
	Dr. Alexander Poth, Volkswagen AG, IT Quality Manager
	John Robert, Carnegie Mellon University Software Engineering Institute Software Solutions Deputy Director
	Roland Weiss, Head of R&D and Technology, ABB

17.30 - 18.30	Buses will bring the attendees to the Rosenheimer Herbstfest
	Note: To reach the beer festival and not lose the places we must leave at 17.30 with the busses (sorry for that short time, but later reservations are not possible because the festival is so well known that other people/groups/tourists will compete/pay/invest for the places onsite). The buses are directly in front of the building. You can either store your bags at the conference location (locked till next morning), or you can take them to the bus and you will have the same bus on the journey back.
	Have a nice typical Bavarian festival, if possible in Lederhosen!
18.30 - 22.00	Traditional Bavarian Food, Beer and Music
	Address: Herbststraße 2, 83022 Rosenheim, Germany

Important Information

Key Contributors

This workshop focuses on sustainable services, sustainable products, sustainable environments, future and sustainable eco-systems, new concepts that will empower sustainability. Openinnotrain as a Marie Curie EU project sponsors secondments of experts (travel cost) to work together. The integration of frugal innovation in cooperation with TU Hamburg in the workshop has been elaborated in an Openinnotrain secondment.

Interactive Workshop Approach

Each presentation will be discussed. A discussion and brainstorming at the end shall come up with a set of key questions to be addressed by EuroSPI in this topic in the future.

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Social Events

Our Mission

We believe that networking and creating research and business relationships is important to create a sustainable community for improvement and innovation. While the conference offers ideas, presentations, discussions, knowledge during the day, the social talks after the conference are equally important to establish trust and partnerships. We also believe that Europe integrates many regions with different cultures and to build European trust based partnerships we need to learn about the culture of regions. So please join the networking space and social events.

2024 Social Events

Europe has many different regional cultures and customs, and still we need to work together in the EU frameworks. Already at the start of EuroAsiaSPI² in 1994 it was decided to place the conference in a different region every year and that the local host organises social events that help us to learn about the hosting culture, the traditions, history and the local food. This has a large influence on what social events EuroAsiaSPI² offers.
This year we will visit the Rosenheimer Herbstfest (Beer Festival) on 4th September 2024, and a classical music concert and dinner at the Bamberger House on 5th September 2024.

Munich

Munich today is a city that thrives in industry as well as tourism. It is cosmopolitan, with a beautiful historic centre, vibrant cultural life, a high standard of living and low crime rates.
By 1175, Munich had been granted city status and a fortified town wall was built around it. Throughout the Medieval era, Munich would grow in size and in wealth under the Wittelsbach line of Holy Roman Emperors. Under the control of the Habsburgs during the 18th century, it developed into a hub of Baroque life with buildings such as the Theatine Church and the Nymphenburg Palace being built. The first Oktoberfest was held in 1810 in honour of the marriage of King Ludwig I of Bavaria and Princess Therese of Saxe-Hildburghausen, and the 19th century saw it was booming as a centre of arts, literature and music with elegant Neoclassical buildings. Learn more about its history.

Munich in Wikipedia

Munich in Britannica

Sights in Munich

Introducing Munich History

Social Event on the First Conference Day (4th September 2024): Rosenheimer Herbstfest

Rosenheimer Herbstfest (German)

We will visit the Rosenheimer Herbstfest (one of the famous Bavarian traditional beer festivals) and get traditional food, music and local beer sorts. Wiki describes it as a traditional festival series that started 1861.

17.15 Conference finishes

17.30 busses bring the conference participants to the Rosenheimer festival (ca. 60 minutes drive)

18.30 - 22.00 Traditional Food, Music, and Local Beer at the Festival

Address: Herbststraße 2, 83022 Rosenheim, Germany

Impressions on YouTube (English)

Location on Google Maps

Everything you need to know about the Rosenheimer Wiesn (English)

Social Event on the Second Conference Day (5th September 2024) - Bamberger House - Classical Music - Dinner

Bamberger House (and Classical Music)

On the evening of the second Conference Day we will go by public transport to a historic building called Bamberger house at the entrance of the Luitpold park and will be invited to a classical concert and a dinner. The social event will be in the Francesco hall of the building.

18.00 Conference finishes

Attendees go by public transport and leave at Gartenstrasse (line 27) or at Scheidplatz (line 12). From there it is 550 m walking through the famous Luitpoltpark.

19.00 - 19.30 Arrival at the Bamberger House

19.30 - 20.15 Classical Music Event at the Bamberger House

Music Program:

F.M. Bartholdy: Fantasie (Klavier solo)

J.Brahms: Adagio von Violine Sonate dmol

P.I.Tchaikovsky: Souvenir d'un lieu cher, – Mélodie

A.Dvořák: Romantische Stück

J.Massenet: Méditation aus Thais

F.Kreisler: Three Old Viennese Dances

R.Strauss: Morgen

20.30 - 23.30 Gala Dinner

History of the Bamberger House (in German)

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