



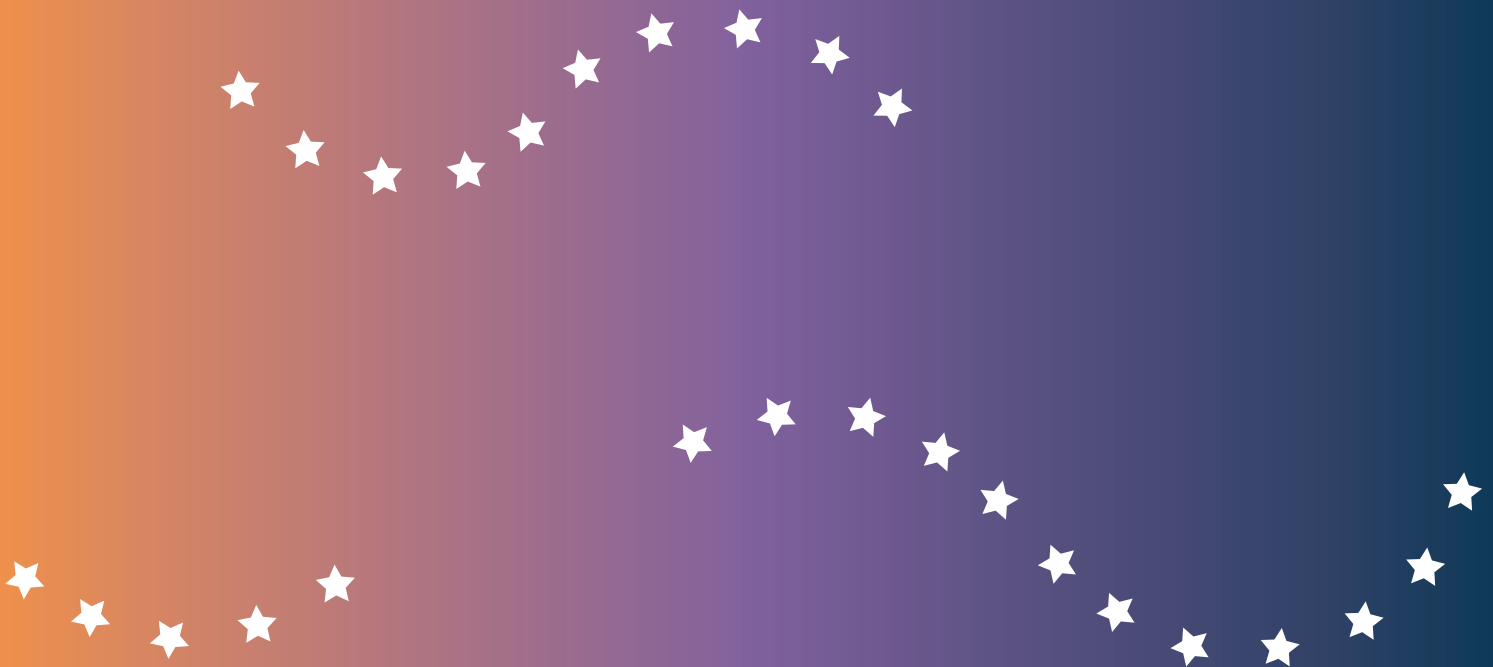
EuroSPI 2024

European Systems, Software, Service
Process and Product Improvement &
Innovation

CALL FOR PAPERS

for the 31st EuroSPI Conference
4. - 6. September 2024

hosted in Germany by
Munich University



**Building a community
of knowledge**

www.eurospi.net

EuroSPI 2024

EuroSPI² 2024 (4.-6.9.2024) will have 9 international thematic workshops in 3 days and 4 parallel running conference streams. In addition there is a 5th parallel running stream from the partnering conference ISSPA which focuses on new emerging engineering paradigms.

EuroSPI and the SPRINGER book allow to submit 3 types:

Full paper: ca. 12 to 15 pages, full elaborated case study, research study

Short paper: ca. 6-8 pages, addresses an important case study or research result

Key statement / poster: 4 pages, making a key experience/best practice statement

Publishers

Selected workshop papers are published as a special chapter in the annual EuroSPI SPRINGER book in the CCIS series. The EuroSPI series had so far 1.3 Million chapter downloads in SPRINGER online which makes it a widely known series referenced in industry and research.

Selected extended papers will be published in the WILEY Journal of Software: Evolution and Process.



EuroSPI Topics

Submitted papers are grouped into major topics which can be attended in form of workshops. EuroSPI paper submission is now available at <https://conference.eurospi.net/index.php/en/submission>. Beside the EuroSPI submission we also support this year the ISSPA conference partner submission at <https://isspa-process.org/events/icssp-18/>.

Emerging and Multidisciplinary Approaches to Software Engineering (AI, Machine Learning, Gamification)

Digitalisation of Industry, Infrastructure, and E-Mobility

Good Process Improvement Practices

Functional Safety and Cybersecurity

Agile and Lean

Standards and Assessment Models

Sustainability and Life Cycle Challenges

Innovation (New Service Models, AI, Machine Learning)

Deadlines

22.03.2024 First Thematic Paper Submission

30.04.2024 Review by International Programme Committee and Notification of Acceptance (EuroSPI² Paper Review Form is used)

19.06.2024 Camera Ready Version

30.07.2024 Early Registration Deadline (All

presenters must register for the conference, otherwise the contribution is deselected)

30.08.2024 Upload of Powerpoint Conference Presentation

02.09.2024 Free Technology Day

04.09.-06.09.2024 Conference

Topic Details

Emerging and Multidisciplinary Approaches to Software Engineering

Engineering software products requires a vision of thinking across boundaries for the future which goes further than what we have so far conceived. 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 to design complex software based systems.

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 use cases, new service models, and so forth. The EU Blueprint projects DRIVES-/ALBATTIS came up with a set of major drivers of change which are used as thematic paper topics.

Good Process Improvement Practices

Values and principles of the SPI Manifesto, organisational best practices, experiences with bad practices, update of the SPI-Manifesto with new success stories submitted in 2024.

Functional Safety and Cybersecurity

ISO 26262 and IEC 61508 experiences, automotive/aerospace/medical device related safety norms, integrated safety and Automotive SPICE assessments, design patterns, SEooC strategies, FTA, diagnostic coverage, FIT, new norms, SOTIF - Safety Of The Intended Functionality. SAE J3061, ISO 21434, ISO 27000, cybersecurity norms, experiences with cybersecurity methods (STRIDE, EVITA, etc.). Specific experiences with attack trees, cybersecurity concepts, new system and software architectures and networks. Integrating functional safety and cybersecurity.

Agile and Lean

The Agile Manifesto, lean and agile, best practices in development, improvement projects, business processes. Agile in industry branches such as Automotive, IT services, aerospace, medical devices, and production.

Standards and Assessment Models

ISO/IEC, SAE, IEEE standards/guidelines to be considered in systems, software services assessment, development, improvement, ISO/IEC 330xx norm series, IATF 16949, ISO 26262 and new Norm Parts published in 2018, VDA Blue Gold Book, Automotive SPICE 3.1, Volkswagen KGAS Criteria, SOTIF - Safety of the Intended Functionality, SAE J3061 Cybersecurity Norm, ISO 27000 Security Norm, ISO 20000 Service Norm, New norms to be considered, including System of Systems (SoS) considerations.

Innovation (New Service Models, AI, Machine Learning)

New topics can be proposed for the workshop such as service innovation models, new business models for e-mobility, machine learning, artificial intelligence, etc.

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 Grenob-

le INP about life cycle engineering and manufacturing.

Associated Tech Days

On 02.09.2024 before the EuroSPI² 2024 conference there will be a free associated tech day.

Networking

We believe that networking and fostering and establishing research and business relationships is essential for growing a sustainable community of improvement and innovation. While the conference offers ideas, presentations, discussions, during the day, the social talks after the conference are equally important to establish trust and partnerships. Join the networking space and social events. We truly believe that SPI must involve people actively and affect their daily activities (Value A, SPI Manifesto).

Research & Industry

Research papers will not be presented in an extra research stream, but will be integrated as research sessions into the thematic workshops/streams in a sandwich position between industry papers. This will create a better integration and networking of research and industry / applied science and fertilize the grounds for a technology transfer at european level.

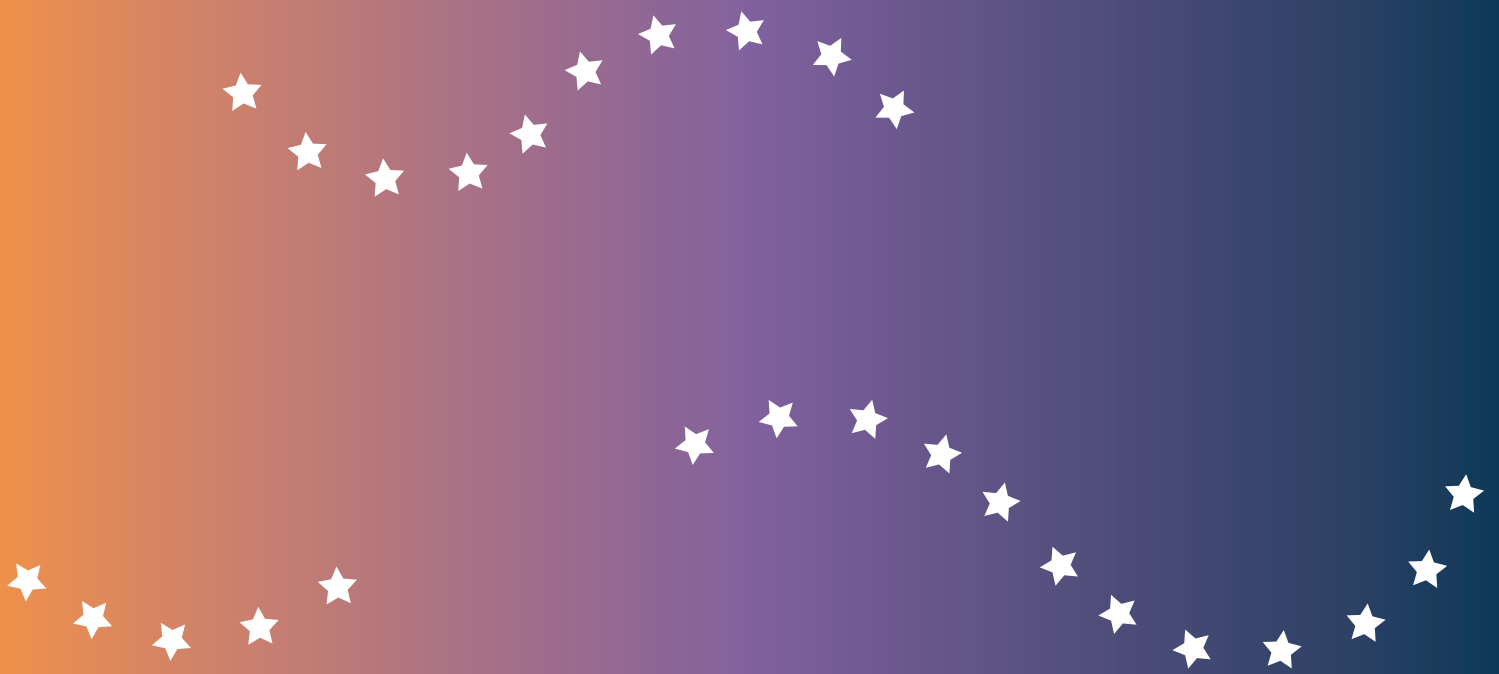
Submission Guidance

Thematic workshop papers will be published in the Springer CCIS Series as a special chapter in the book. 18 selected research papers will be published in the Springer CCIS Series in a research chapter. 10 papers will be selected for publication in the Wiley Journal of SW Evolution and Process series. Further selected extended papers will be invited to additional cooperating journals .

A EuroSPI journals editorial team will select papers from the book and propose an extended version (50% must be different) to be published in the WILEY Journal of Software: Evolution and Process (SPI Best Practices), and other cooperating journals. Papers should follow the SPRINGER CCIS series formatting guidelines. Writing instructions, templates and how to upload papers can be found at <https://www.eurospi.net>. Select EuroSPI 2024 and then the menu SUBMISSION.

Cooperation with ISSPA

This year the ISSPA joins forces and the ISSPA conference will form a 5th stream of the EuroSPI conference. Attendees register for the whole event and can attend EuroSPI as well as the ISSPA stream. ISSPA paper submission is on the ISSPA website and ISSPA committee reviews and decides about ISSPA papers themselves. Go to the ISSPA web site: <https://isspa-process.org/>



In cooperation
with the
ISSPA

