01. Mar 2026	Opening of submission system and registration
21. Jun 2026	Deadline Submission of scientfic paper or submission of abstract
10. Jul 2026	Final extended submission deadline
01. Sep 2026	Papers sent to Reviewers
21. Sep 2026	Deadline for Reviews
28. Sep 2026	Notification of review results; Major/ Minor Changes where applicable
10. - 12. Oct 2026	Submission of revised Final / Camera-Ready Papers, including IEEE compliance
04. - 05. Nov 2026	Presentation at SCAP 2026
After the conference	Publication of eligible, accepted and presented scientific papers in IEEE Xplore

CONTACT:

conference@arena2036.de

https://scap-stuttgart.de

SCAP

Stuttgart Conference On Automotive Production

Advances in Automotive Production Technology
-
Engineering Intelligent and Sustainable Automotive Value Chains

04. - 05. November 2026

ARENA2036 e.V.

ARENA2036 Universität Stuttgart IEEE TEMS Technology & Engineering Management Society

INVITATION & CALL4PAPERS

Welcome to the 4th International Stuttgart Conference on Automotive Production (SCAP)

ARENA2036 hosts the 4th SCAP in cooperation with the Institute for Control Engineering of Machine Tools and Manufacturing Units (ISW), the Institute of Electrical Energy Conversion (IEW) and the Institute for Acoustics and Building Physics (IABP) of the University of Stuttgart.

SCAP provides an international forum for scientists, researchers and engineers to present and discuss recent advances in automotive production and related engineering disciplines. The conference addresses both fundamental research and industrial applications shaping future automotive value chains.

The focus of this year's conference is:

„Advances in Automotive Production Technology - Engineering Intelligent and Sustainable Automotive Value Chains"

The two-day program features keynote lectures, parallel scientific sessions, technology demonstrations, poster presentations and interactive workshops. The conference encourages interdisciplinary exchange between academia, industry and applied research.

We warmly invite you to submit your contributions and to participate in the 4th SCAP.

OPTIONS FOR PARTICIPATION

Option 1: Oral presentation and scientific paper

Oral presentation at the conference and submission of a scientific paper. Scientific papers will be peer-reviewed by a scientific committee and published open-access shortly after the conference with IEEE Xplore.

Option 2: Oral presentation only

Oral presentation at the conference and submission of an abstract. By selecting this option, a presentation can be given at the conference without having to submit a scientific paper.

Option 3: Session or workshop

It is also possible to organize your own session or workshop at the conference, provided that it fits in with the key topics. Please contact us in advance at: conference@arena2036.de

AWARDS

The following awards will be presented to participants during the conference:

Best Paper Award

Best Presentation Award

SCIENTIFIC TOPICS

We invite you to submit a conference paper addressing one or more of the following topics:

I. AI & Intelligent Automation in Engineering & Production

- AI Foundations and Learning-Based Methods for Engineering Systems
- AI-Driven Engineering, Design and Industrial Knowledge Systems
- Intelligent, Autonomous and Self-Optimizing Production Systems
- AI Infrastructure, Integration and Responsible Deployment

II. Robotics & Autonomous Systems in Production & Logistics

- Modeling, Control and Learning for Robotic Systems
- Cognitive, Collaborative and Human-Centered Robotics
- Autonomous Robotic Systems for Production and Logistics
- Advanced Robotic Capabilities and Emerging Technologies

III. Emission-Free Mobility and Electric Drive Systems

- Advanced Electric Machines and Drive Concepts
- Intelligent Energy Management and Charging Technologies
- Design, Testing and Validation of E-Mobility Systems
- Production Technologies for Electric Mobility

IV. Sustainable and Digital Automotive Value Chains

- Sustainability Management, Regulatory Frameworks, Business Models
- Digital Solutions for Industrial Value Chains (Data Spaces, Interoperability, Ecosystems)
- Advanced Materials and Sustainability
- Trends in Automotive Production Methods and Solutions for Circular Value Chains

ORGANIZING COMMITTEE

Dr. Daniel Holder
ARENA36 e.V., Stuttgart, Germany

Dr. Muhammad Saeed
ARENA36 e.V., Stuttgart, Germany

Simon Nowinski
Institute for Control Engineering of Machine Tools and Manufacturing Units (ISW) of the University of Stuttgart, Stuttgart, Germany

Marco Zimmer
Institute of Electrical Energy Conversion (IEW) of the University of Stuttgart, Stuttgart, Germany

Dr. Michael Held
Institute for Acoustics and Building Physics (IABP) of the University of Stuttgart, Stuttgart, Germany