31 March 2024 — **Deadline for submission of abstracts**
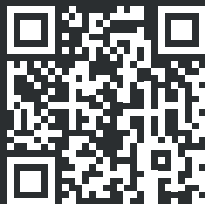
15 April 2024 — **Notification of abstract acceptance**

31 May 2024 — **Scientific paper submission**

15 July 2024 — **Notification of paper acceptance**

31 July 2024 — **Early bird registration & camera-ready submission of scientific papers**

15 August 2024 — **Standard registration**

15 September 2024 — **Camera-ready submission of concept papers & posters**

20 November 2024 — **Conference Opening & On-Site Registration**

22 November 2024 — **Conference closing**

CONTACT

conference@arena2036.de

ARENA2036   ISW   Universität Stuttgart

SCAP

Stuttgart Conference On Automotive Production

Advances in Automotive Production – Digital Product Development and Manufacturing

ARENA2036   Pfaffenwaldring 19, 70569 Stuttgart, Germany

20th-22nd of November 2024

arena2036.de/SCAP

ARENA2036   ISW   Universität Stuttgart

INVITATION & CALL4PAPERS

Welcome to the 3rd International Stuttgart Conference On Automotive Production (SCAP)

ARENA2036 hosts the SCAP in cooperation with the Institute for Control Engineering of Machine Tools and Manufacturing Units of the University of Stuttgart (ISW). SCAP is a forum that invites scientists, researchers, and developers to present and discuss their work pertaining to advanced technologies in robotics, automation, simulation, and manufacturing innovations for future automotive production. The topic of this year's conference is

"Advances in Automotive Production – Digital Product Development and Manufacturing".

The two-day program includes keynotes, parallel tracks with scientific presentations, technology demonstrations, poster sessions, workshops and much more!

We are looking forward to receiving your papers & to your participation at **SCAP on the 20th-22nd of November 2024**!

SCIENTIFIC TOPICS

We would like to invite you to submit a conference paper that should address one or more of the following topics:

I. Digital Methods and Models
- Modeling of Material Processing
- Simulation of Materials, Components, and Vehicles
- Process Simulation
- Digital Twin in Advanced Manufacturing

II. Digitalization of the Industrial and Automotive Value Chain
- Intelligent Value Chains and Data Transparency
- Supply Chain Modeling
- Information Modelling, Data Management and Software Engineering
- Control and Optimization of Reconfigurable Production Systems

III. Data-driven Technologies
- Data-driven Production and Logistics
- Smart Manufacturing Technologies
- Connectivity and Interoperability

IV. Sustainability and Circular Economy
- Methods for Sustainability-driven Product Development
- Sustainability-driven Production and Logistics
- Circular Economy and Sustainable Products

VARIOUS OPTIONS FOR PARTICIPATION

Scientific contribution:
Short papers (4 – 7 pages), full papers (8 – 15 pages); Scientific papers will be peer-reviewed by a scientific committee and published shortly after the conference with Springer Nature within the ARENA2036 series.

Concept paper:
Short papers (2 - 4 pages); Concept papers (e.g. project ideas, project proposals) will be reviewed by the conference committee and published shortly after the conference on the ARENA2036 homepage.

Poster presentation

Workshops

CONFERENCE COMMITTEE

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Please don't hesitate to contact us with any questions:
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