



CALL FOR PAPERS – SICFP'27

INVITATION

The Laboratory of Innovative Hydraulics and Automation (IHA) at Tampere University (TAU), Finland, will host the 20th Scandinavian International Conference on Fluid Power, SICFP'27, June 1 - 3, 2027.

The conference is arranged on a biannual basis alternating between Tampere University and Linköping University. Right now, fluid power is in an exciting stage of transformation - from the perspective of digitalization, the use of artificial intelligence, automation, and sustainability.

The SICFP'27 is a forum for exchanging information on the latest developments in fluid power, robotics and automation in mobile machinery applications from industry and academia.

All manuscripts are offered the opportunity to go through a peer-review process to guarantee scientific soundness.

I look forward to seeing you in Tampere in June 2027.

Tatiana Minav

Professor

Conference Chairperson



IMPORTANT DATES

SUBMISSION OF ABSTRACTS

→ 31 May 2026

NOTIFICATION OF ACCEPTANCE

→ 30 June 2026

COMPLETE MANUSCRIPTS

→ 30 October 2026

FEEDBACK FROM THE PEER-REVIEW

→ 15 December 2026

FINAL MANUSCRIPT DEADLINE

→ 31 January 2027

CONFERENCE DATES

→ 1 - 3 June 2027

ORGANIZER

The conference will be organized and hosted by [Innovative Hydraulics and Automation \(IHA\)](#) in the Faculty of Engineering and Natural Sciences at Tampere University (TAU), Finland. Supporting hosts will be the, European Academic Fluid Power Association, [Global Fluid Power Society \(GFPS\)](#) and the Finnish cluster [Sustainable Industry X \(SIX\)](#).

Fluid power and automation are one of the Laboratory's priority research areas. Our main research areas include sustainable drive systems and actuators, autonomous heavy machinery, and robotic control of working machines. In fluid power research, we are following three principles: interdisciplinary research, the bridging of theory and practice, and cooperation with industry.

ABSTRACT

Authors are invited to submit titles and abstracts of proposed papers for SICFP'27 by 31 May 2026. Abstracts (maximum 500 words) should clearly outline the purpose, methodology, key results, and conclusions of the work. Submissions should highlight the novelty of the contribution and its relevance to the fluid power and mobile machinery. Supporting figures may be included to clarify the main ideas or illustrate preliminary findings.

All abstracts will undergo a technical review by members of the Scientific Committee to ensure quality, relevance, and alignment with the conference themes. Successful authors will be invited to prepare a full. At least one author of each accepted contribution is expected to register for the conference and present the work.

Abstracts will be submitted through the conference's online registration system. Detailed instructions for authors will be on the conference website:

<https://events.tuni.fi/sicfp2027/>

TAMPERE

Tampere has made a name for itself as a major Nordic congress destination, particularly since the inauguration of Tampere Hall two decades ago. The city's excellent infrastructure and services meet the needs of even the most demanding congress delegate.

The SICFP'27 conference will be held in Tampere Hall, which is a leading conference facility in Finland and a major conference and concert centre in Scandinavia.

Tampere is a beautiful, green city between two lakes, offering an array of leisure activities, such as Nordic walking, lake cruises, original sauna experiences, and swimming in the freshwater lakes.

Tampere is easily accessible. Tampere International Airport is served by flights from several European cities. If you fly to Helsinki, then the easiest way is to take a train from Helsinki Airport to Tampere.



TOPICS

Zero-emission transition technologies for mobile machinery:

- Novel, efficient and intelligent components and systems
- Digital and switched fluid power systems
- Intelligent controls
- Condition monitoring and predictive maintenance
- Noise and vibration mitigation
- Novel thermal management
- Functional safety
- Machine and fleet management
- Robotics, automation and autonomy

CONTACT INFORMATION

SICFP'27

Tampere University
Innovative Hydraulics and Automation
PO Box 589, FI-33101 Tampere, Finland
Tel. +358 50 594 0496,
Tatiana Minav, Chairperson of SICFP'27
email: sicfp@tuni.fi



<https://events.tuni.fi/sicfp2027/>