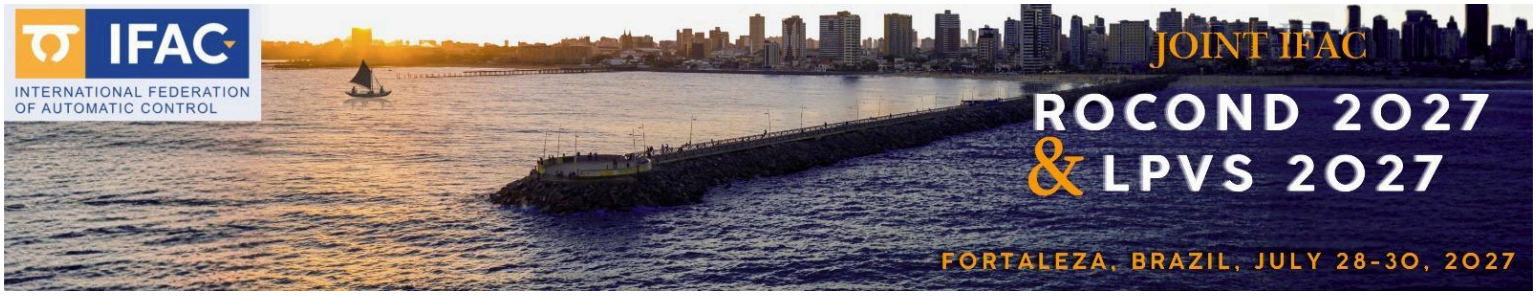

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IFAC NMO

Brazilian Society of Automatica (SBA)

Important dates

- **Dec. 15th, 2026**: Deadline for invited and open technical session proposals
- **Jan. 31st, 2027**: Regular paper submission deadline
- **March 15th, 2027**: Notification of decision
- **April 15th, 2027**: Final manuscript submission
- **April 30th, 2027**: Early bird registration

Website and contact:

https://sba.org.br/rocondlpvs2027/

rocondlpvs27@dee.ufc.br

1st Call for Papers

The Organizing Committees have the pleasure to invite you to participate in the **Joint 12th IFAC Symposium on Robust Control Design (ROCOND 2027) and 7th IFAC Workshop on Linear Parameter Varying Systems (LPVS 2027)**, to be held in Fortaleza, Ceará, Brazil, July 28-30, 2027. As a joint event, a single common registration will give access to the simultaneous technical activities of both conferences, fostering fruitful discussions and interactions.

Background and scope

The joint conference will present the current state-of-the-art and most recent advances in the theory and industry applications of a large intersection of topics in the field of robust control and linear parameter varying systems. ROCOND has been held since its first edition in 1994 (Rio de Janeiro, Brazil), while LPVS dates from 2015 (Grenoble, France). It will be the third edition of ROCOND and LPVS joint together, following the previous successful meetings held in Florianópolis (2018) and Porto (2025). The event will focus on current challenges and new directions in the development of theoretical and computational tools for versatile practical applications implemented on advanced control systems, including data-driven formulations and control applications in general (cyberphysical, embedded, distributed). The main covered topics are listed below:

ROCOND 2027

Robust stability and performance . Uncertainty modeling . Robust control design . Model and controller reduction . Identification for robust control . H_∞ estimation . LMI and Computational methods . Data driven control . Fault detection . Optimal control and dynamic optimization . Hybrid and networked systems . Control applications.

LPVS 2027

Modelling and Identification of LPV systems . Stability and performance analysis of LPV systems . Observation and Diagnosis of LPV Systems . Control of LPV systems . Analysis and control of TS Fuzzy systems . Time-varying and switched systems . Applications using the LPV framework.

Contributions

Initial submissions are expected to be up to eight pages, and final versions up to six pages, in the standard two-column IFAC conference format. Each paper must be covered by one full registration. Accepted regular and invited session papers presented at the Joint Conference will be published in the respective proceedings in IFAC-PapersOnLine.

Venue

Fortaleza, the capital of Ceará in the Northeast region of Brazil, is one of the country's most vibrant and captivating destinations. The city is internationally renowned for its stunning coastline, golden sands, warm waters, and excellent beachfront infrastructure. Visitors can experience a unique blend of natural beauty, rich culture, lively nightlife, and world-class hospitality. The event will be held at the Afago Mareiro Hotel, a modern beachfront hotel located at the famous Beira Mar, one of the most renowned coastal areas in Fortaleza.

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