

PARIS  
FRANCE  
JUNE 22-25

# NEWCAS 2025

AN IEEE CASS FLAGSHIP CONFERENCE



## AUTHORS SCHEDULE

DEADLINE for full paper submission:

**February 3, 2025**

DEADLINE for tutorial and special sessions

proposals: **January 10, 2025**

NOTIFICATION of acceptance: **April 14, 2025**

SUBMISSION DEADLINE of final manuscript:

**May 2, 2025**

*For detailed information on proposal and paper submission procedure please refer to the conference website: [newcas2025.com](https://newcas2025.com)*

*\*All deadlines are 23:59 PST.*

## ORGANIZING COMMITTEE

### HONORARY CHAIRS

Mohamad Sawan, Westlake University, CN  
Mounir Boukadoum, UQAM, CA

### GENERAL CHAIRS

Patricia Desgreys, Telecom Paris,  
Institut Polytechnique de Paris, FR  
Bertrand Granado, Sorbonne University, FR

### TECHNICAL PROGRAM CHAIRS

Pietro Maris Ferreira, Savoie Mont Blanc  
University, FR  
Alexandre Robichaud, UQAC, CA

### FINANCE & INDUSTRIAL LIAISON CHAIR

Khalil Hachicha, Sorbonne University, FR  
Andrea Pinna, Sorbonne University, FR

### SPECIAL SESSION CHAIRS

Hervé Barthélemy, Toulon University, FR  
Elizabeth Colin, EFREI, Paris-Panthéon-Assas  
University, FR

### TUTORIAL CHAIRS

Paul Chollet, Telecom Paris, Institut  
Polytechnique de Paris, FR  
Shahriar Mirabbasi, UBC, CA

### LOCAL ARRANGEMENT CHAIRS

Germain Pham, Telecom Paris, Institut  
Polytechnique de Paris, FR  
Petr Dobiáš, CY Cergy Paris University, FR

# CALL FOR PAPERS

**THE 23<sup>RD</sup> IEEE INTERNATIONAL NEWCAS  
CONFERENCE WILL BE HELD IN PARIS, FRANCE,  
ON JUNE 22-25, 2025.**

As with previous editions, NEWCAS will reflect a wide spectrum of topics, research and practices in the field of circuits and systems and offer an international forum for exchanging ideas and results. Held in the Medical School building of Sorbonne University, the 23<sup>rd</sup> edition will highlight circuits and systems for biomedical applications, one of its headlines being «From Biomedical Devices to Intelligent Biomedical Sensors, Systems and Applications.»

Authors are invited to submit 4-page papers in PDF format according to the IEEE guidelines available at <https://www.ieee.org/conferences/publishing/templates.html>. An optional 5<sup>th</sup> page containing only references is permitted. All the accepted and presented papers at the conference will be published in IEEE Xplore. NEWCAS being a flagship conference of IEEE CASS, the Technical Committee will also invite the author(s) of selected papers to submit extended versions for evaluation and publication in a special journal issue. Tutorials, special sessions and keynote talks with prominent experts and emergent topics in Circuit and Systems will complete the technical program.

### THE TOPICS INCLUDE, BUT ARE NOT LIMITED TO:

- Analog/mixed-signal circuits
- Biomedical circuits and systems
- Digital circuits and systems
- Communications circuits and systems
- RF & microwave circuits
- Photonic integrated circuits
- CAD and design tools
- Test and verification
- Energy harvesting and power management
- Low-power low-voltage designs
- Microsystems and embedded systems
- Circuits and systems for AI algorithms
- Neural networks and neuromorphic circuits
- Sensory circuits and systems
- Imaging and image sensors
- Emerging technologies and technology trends
- Quantum computing

## CONFERENCE VENUE: PARIS – LES CORDELIERS

NEWCAS 2025 will take place in the very downtown Paris at «Les Cordeliers» a historic place in Paris coming from the 13<sup>th</sup> century, first a convent, then in the 18<sup>th</sup> as the famous «Club de Cordeliers» led by Danton and the 19<sup>th</sup> the Faculty of Medicine of Paris University. «Les Cordeliers» is 10 mn walk to Notre Dame, La Sainte Chapelle, Panthéon and Saint Germain des Prés.

*«Paris has beauty only in its history, but this story is so beautiful! »  
Paul Verlaine (1893).*