



20th IEEE International NEWCAS Conference

JUNE 19-22, 2022 • QUÉBEC, CANADA

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The 20th IEEE International NEWCAS Conference will be held in Quebec City, Canada, on June 19-22, 2022. As with previous editions, it will reflect the wide spectrum of topics, research and practice in the field of circuits and systems, and offer an international forum for exchanging ideas and results. There will also be tutorials, special sessions and keynote talks by prominent experts on current topics in microsystems research. This year's edition is oriented towards *smart and low-power circuits and systems for the revolution in artificial intelligence*.

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

For detailed information on proposal and paper submission procedure please refer to the conference website: newcas2022.org

SUBMISSION

Selected papers will be invited for possible publication in the **IEEE Transaction on Circuits and Systems – Part I**.

Only electronic submissions will be accepted. Complete 4-page papers (in standard IEEE double-column conference format) should be submitted in PDF format that is IEEE Xplore compliant.

Accepted technical and special session papers will appear in IEEE Xplore digital library.

AUTHORS SCHEDULE

DEADLINE for full paper submission: **Feb. 7, 2022**

DEADLINE for tutorial and special sessions proposals: **Dec. 17, 2021**

NOTIFICATION of acceptance: **April 11, 2022**

SUBMISSION DEADLINE of final manuscript: **May 9, 2022**

ABOUT QUEBEC CITY

A Treasured UNESCO World Heritage Site - It is the cradle of French America and the only fortified city on the continent north of Mexico. Stroll through the cobblestone streets and soak in the city's magnificent heritage, storied past, and European charm. It's festive, welcoming, and wonderfully safe.

An IEEE CASS Flagship Conference

