

Call for Papers



CIIMA

IX CONGRESO INTERNACIONAL MECATRÓNICA Y AUTOMATIZACIÓN

November 4th to 6th 2020

TOPICS:

We encourage the submission of original, unpublished research focused on (but not limited to) the following topics of interest:

- **Mechatronics design:** Fast prototyping, industrial applications, mechatronics innovation and entrepreneurship, automation and sustainable industrial Mechatronics development.
- **Robotics and Biomechanics:** industrial and service robot applications and development. Biomechanic products, exoskeletons and re-rehabilitation artifacts.
- **Control and Industrial applications:** Advanced control techniques, failure detection and diagnose, industrial processes modelling.
- **Industrial Automation:** Operative sequences systems Automatic control Control, 4.0 industry networks, discrete systems modelling. Sensors and instrumentation.
- **Artificial intelligence and signal processing:** Industrial automation using AI, Image and digital data processing . DSP's and FPGAs.
- **Sustainable Engineering:** Precision Agriculture, Alternative Energy, Mechatronics applications for farming industry.
- **Sensors:** Intelligent actuators and sensors, sensorial fusion, microactuators and mico sensors. Electromechanical systems, radiation based sensors.
- **Industrial communication networks:** 4.0 Industrial networks, data transmission protocols, standards, integration, telemetrics, remote controlling, plant systems integrated into management information systems.

Supported by: UTB & IEEE Colombia, Caribbean section.



Universidad
Tecnológica
de Bolívar

CARTAGENA DE INDIAS



Colombian Caribbean Section



Organizing Committee:

Conference chair: Edgardo William Arrieta Ortiz
Universidad Tecnológica de Bolívar

Technical chair: Andrés Guillermo Marrugo
Hernández Universidad Tecnológica de Bolívar

Publication chair: Luz Alejandra Magre Colorado
Universidad Tecnológica de Bolívar

Important Dates:

Submission:
August 31st 2020

Notification:
October 1st 2020

All accepted papers will be published on IEEE Xplore

We invite authors to submit high-quality full papers reporting original and novel research results on all above topics. Papers must be written in English, unpublished and not submitted elsewhere. Full papers must be formatted as the standard IEEE doublecolumn conference template and submitted exclusively using the link:
<https://easychair.org/conferences/?conf=ciima2020>.

Maximum 6 pages are allowed for each paper, including all illustrations and references.