



X CONGRESO  
INTERNACIONAL DE  
INNOVACIÓN Y TENDENCIAS  
EN INGENIERÍA

BOGOTÁ OCTUBRE 2 AL 4 / 2024



PAIS INVITADO  
ARGENTINA  
WWW.CONIITI.COM

## FIRST CALL FOR PAPERS IX CONIITI 2023

The X International Conference on Innovation and Trends in Engineering (CONIITI 2024) will be held in Bogota, Colombia from October 02 to October 04, 2024. CONIITI is an open space of interaction between actors of the innovative ecosystem in order to share new approaches to achieve the creative transformation of Colombia through the design of solutions integrating an engineering vision.

### TOPICS

We encourage the submission of original, unpublished research focused on (but not limited to) the following topics of interest:

#### CREATIVITY, INNOVATION AND ENTREPRENEURSHIP

- Creative Processes
- Co-creativity
- Co-working
- Culture of innovation and entrepreneurship
- Data marketing
- Design thinking - application experiences
- Disruptive Innovation
- e-Government
- Innovation and social entrepreneurship
- Public Innovation
- Living labs
- Open and smart cities and territories
- Open Innovation
- Strategic Innovation
- Social Innovation
- Technology and innovation management
- Technology transfer
- Technology-based entrepreneurship
- Value creation through Innovation

#### INFRASTRUCTURE AND ENVIRONMENT

- Bridges and Viaducts
- Environmental management and evaluation
- Green IT
- Imperceptible Science
- Innovative Construction Projects
- Intelligent Transport Systems
- Irradiation and Electromagnetic Pollution
- Lean construction
- Materials
- Nano biosecurity
- Nano sensors
- Pavements
- Precision Agriculture
- Roads and their Environment
- Smart buildings
- Sustainability and Eco-innovation
- Sustainable Building
- Sustainable Cities
- Territorial Development Approaches
- Transport and Mobility Networks
- Tunnels and underground Works
- Urban Mobility
- Urban Planning and Design
- Water and Sanitation

#### ENERGY EFFICIENCY AND RENEWABLE ENERGY

- Alternative Energies (*Solar energy, Wind energy, Hydro energy, Tidal energy, Geothermal energy, Biomass energy*)
- Other Renewable Energy (*Energy Storage and Artificial Intelligence*)
- Energy Solutions
- Energy Marketing
- Innovative Energy Models
- Process Electrification
- Reduction of CO2 emissions
- New Energy Business Models for Sustainability

#### INTELLIGENT SOFTWARE AND TECHNOLOGICAL CONVERGENCE

Agent and Multi-Agent Systems	Digital Economy
Artificial Intelligence	Distributed Infrastructure for Smart Grids
Autonomous Computing	Information Security
Autonomous Systems	Internet of Things
Big Data Analytics	IT Architecture
Business Intelligence	Machine Learning
Business Models for the Internet of Things	Open Data
Cloud Computing	Semantic Web and Ontologies
Collaborative Social Networks	Security and privacy in Big Data
Collective Intelligence	Smart Tutoring Systems
Data Mining	Software Engineering
	Social Network Analysis

#### INTEGRAL AND DYNAMIC MANAGEMENT OF ORGANIZATIONS

Branding	Operational Research
Change Management	Occupational health and safety
Business Intelligence	Project Management
Corporate Social Responsibility	Risk Management
Criteria for Decision-Making	Six Sigma
Financial Intelligence	System dynamics
Intellectual Capital	Statistical Quality Control
Knowledge Management	Strategic Foresight
Lean Manufacturing	Strategic Marketing
Lean Six Sigma	Sustainable Logistics
Logistics Management	Supplying and Supply Chains
Modeling and Simulation	Technological Forecasting

#### TELECOMMUNICATION SYSTEMS AND TECHNOLOGIES

Apps and developments in Telecommunications	Applied Robotic
Cognitive Radio	Drones, Applications and Regulation
4G, 5G and beyond	Microwave, Optoelectronics and Applications
Wireless body area networks	Radio Spectrum for 5g and IoT
Wireless mesh networks	Wireless Sensing Systems
Modulation, coding, and diversity techniques	Cooperative sensing
Antennas, smart antennas	Dynamic spectrum access
Cryptographic implementations for networking	Machine learning techniques for cognitive radio systems
Firewall technologies	Smart healthcare and e-health systems
Software Defined Networking	IoT-based smart farming
Software Defined Radio	Green Computing
Networking and energy efficiency	Energy-efficient spectrum sensing
Future Internet	MIMO Systems
Smart buildings and smart homes	MEMs
Spectrum measurements and monitoring	

#### ENGINEERING EDUCATION

Accreditation and certification of HEI and programs	Inclusive Education
Action research	Lean Education
Assessment in Education	Problem-Based Learning
Curriculum Development	Project-Based Learning
Education for entrepreneurship	Public policies in education
Education in STEM	Quality Management in Higher Education Institutions
Educational Innovation	Strategies for internationalization
e-Learning Platforms	Strategies for reduction of dropout
Future Universities	Teaching-learning strategies
Gamification	
ICT in Education	

#### IMPORTANT DATES

Submission deadline: July 7/ 2024  
Notification: August/2/ 2024  
Camera-ready: September/2/ 2024\*

#### PAPER SUBMISSIONS

We invite authors to submit high-quality full papers reporting original and novel research results on all the above topics. Papers must be written in English, unpublished and not submitted elsewhere. The paper must be formatted as the standard IEEE double-column conference template and submitted exclusively in WORD file. A maximum of 6 pages are allowed for each paper, including all illustrations and references. \*The accepted papers will be presented as paper talk.