

FIRST CALL FOR PAPERS VI CONIITI 2020

The VI International Conference on Innovation and Trends in Engineering (CONIITI 2020) will be held in Bogota, Colombia from September 30 to October 02, 2020. 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We encourage the submission of original, unpublished research focused on (but not limited to) the following topics of interest: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

INTELLIGENT SOFTWARE AND TECHNOLOGICAL CONVERGENCE

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

INTEGRAL AND DYNAMIC MANAGEMENT OF ORGANIZATIONS

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

TELECOMMUNICATION SYSTEMS AND TECHNOLOGIES

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

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

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

ENGINEERING EDUCATION

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

IMPORTANT DATES

Submission deadline: June /01/ 2020
 Notification: July/ 21/ 2020
 Camera-ready: August/ 10/ 2020*

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 or Spanish, 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*. *If your paper is accepted, you must send it in English on the date established for that purpose.