UNIVERSIDAD CATÓLICA de Colombia Vigilada Mineducación

Coniiti VII CONGRESO INTERNACIONAL DE INNOVACIÓN Y TENDENCIAS EN INGENIERÍA

FIRST CALL FOR PAPERS VII CONIITI 2021

The VII International Conference on Innovation and Trends in Engineering (CONIITI 2021) will be held in Bogotá, Colombia from September 29 to October 01, 2021. 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We encourage the submission of original, unpublished research focused on (but not limited to) the following topics of interest: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

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
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
Smart Tutoring Systems
Software Engineering
Social Network Analysis

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

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
CDIO

IMPORTANT DATES

Submission deadline:	June /15/ 2021
Notification:	July/ 16/ 2021
Camera-ready:	August/ 06/ 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.