



International Virtual
Event

**“XIX Electrical
Engineering
Symposium, SIE
2021”**



15 - 30 Nov. 2021

sie.uclv.edu.cu

convencion.uclv.cu

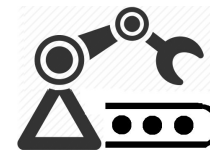
The Central University "Marta Abreu" of Las Villas and the Faculty of Electrical Engineering, within the framework of the call to the III International Scientific Convention of Science, Technology and Society "CCI 2021" invites you to participate in the XIX Electrical Engineering Symposium , SIE 2021.

It will be carried out in virtual mode, promoting the exchange between specialists, professionals, researchers, managers, and students from different countries, on current scientific and innovative technological topics, related to the branches of knowledge of Electrical, Automatic, Electronic Engineering, Biomedical, and Telecommunications.

TOPICS



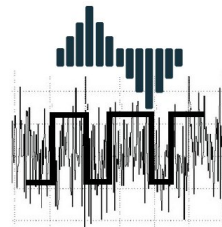
**Transmission,
Distribution and
efficient use of Electric
Power**



**Automation, robotics
and IIoT based on
technical-productive
and social processes**



**Telecommunications
and electronics as
support for social and
business processes**



**Digital signal and image
processing at the
service of the economy
and society**



**The training and
improvement of
engineers in the sector
with an innovative
vision**

Transmission, Distribution and efficient use of Electric Power

Electrical Machines and Drives, Electrical Power Systems and Distribution Networks, Electrical Protections, Energy Quality, Renewable Energy Systems, Smart Networks, High Voltage Techniques and Electrical Insulation, Industrial Electrical Installations. Contributions of small and medium-sized companies linked to solving the needs of society.

Coordinator: Dr. C. Ignacio Pérez Abril.

Email: iperez@uclv.edu.cu

Automation, robotics and IIoT based on technical-productive and social processes

Industrial Instrumentation, Measurement and Control Systems, Control Theory and Methods, Optimization, Facility Energy, Home Automation, Robotics and Mechatronics, Unmanned Vehicles, Computing, Intelligent Control, Supervisory Systems, Precision Agriculture, Industrial Internet of Things (IIoT) and Computing in Automation. Contributions of small and medium-sized companies linked to solving the needs of society.

Coordinator: Dr. C. Francisco Herrera Fernández.

Email: herrera@uclv.edu.cu

Electronics and telecommunications as support for social and business processes

Internet of Things (IoT), Wireless Sensor Networks (WSN), Wireless Networks (Wifi 6, Advanced LTE and 5G), Radio Cognitive Networks, Software Defined Networks (SDN), Network Function Virtualization (NFV), Networks Fixed and Mobile Broadband, Radiopropagation Optical Communications Networks, Antennas, Satellite Communications. Electronic Instrumentation, Embedded Systems and SoC, FPGA, Arduinos, Digital Signal Processing (Audio and Video), Digital Terrestrial Television. Contributions of small and medium-sized companies linked to solving the needs of society.

Coordinator: Dr. C. Félix Álvarez Paliza.

Email: fapaliza@uclv.edu.cu

Digital signal and image processing at the service of the economy and society

Techniques for digital image and signal processing and analysis. Algorithms, software and hardware for computer vision. Transmission, co-registration, compression and optimization of images and digital signals. Pattern recognition in signs and images. Biomedical instrumentation. Quality control of biomedical equipment. Contributions of small and medium-sized companies linked to solving the needs of society.

Coordinator: Dra. C. Marlen Pérez Díaz

Email: mperez@uclv.edu.cu

The training and improvement of engineers in the sector with an innovative vision

Quality of professional training in branches related to Electrical, Electronic, Automatic and Biomedical Engineering. Study plans to promote technological innovation. New Learning Technologies. Continuous training of the specialist. Inverted classroom. Thought-based learning. Project-based learning. Educational Robotics. Gamification and Telecollaboration.

Coordinator: Dr. C. José R. Abreu García.

Email: abreu@uclv.edu.cu

Submission of papers

The papers will be uploaded to the convention platform, in PDF format, Times New Roman No.12 font, justified alignment, letter size, 1.5 line spacing, 2.5 cm margins on both sides. Maximum length of 15 pages including tables, figures and annexes. To obtain the templates, you can visit the event website: <http://sie.uclv.edu.cu>

Other activities

Keynote conferences, round tables, virtual posters, pre-congress courses, virtual exhibitions, product promotions of the co-sponsoring companies, interactive forums, promotional videos, virtual fairs of technologies, products, services, and engineering solutions and business innovation.

Important Dates

Reception of abstracts and papers	August 31, 2021
Confirmation of acceptance of papers	september 15, 2021
Submission of approved papers	september 30, 2021

Convention date: November 15 to 30, 2021.

CONTACTS

Organizing Committee President

Dr. C. Juan Pablo Barrios Rodríguez. barrios@uclv.edu.cu

Scientific Committee President

Dr. C. Eduardo Izaguirre Castellanos. izaguirre@uclv.edu.cu

Executive Secretary

Dr. C. Erik Ortiz Guerra erik@uclv.edu.cu

Guest of Honor



Dr. C. José Luis
García Cuevas

Doctor Honoris Causa of the Central University "Marta Abreu" of Las Villas and advisor to the President for Science, Technology and Innovation. Keynote Speaker of the event.

Sponsoring Entities



Sponsoring Magazines

Journal of Energy Engineering, UTH, Cuba.

Journal of Engineering and Technology for Industrial Applications. ITEGAM, Brasil.

TONO magazine. Company Technical Magazine of Telecommunications of Cuba.

Mare Ingenii specialized magazine. San Mateo University Foundation (Bogotá, Colombia).

Medical Journal (MediSur) MINSAP.

Registration Fees

Foreign	
Presential speakers	250 USD
Virtual speakers	80 USD
Virtual participants (without presentations)	40 USD
Student speakers face-to-face	125 USD
Nationals	
Ponentes virtuales	1000 CUP
Virtual participants (without presentations)	500 CUP

The registration fee includes a Certificate of Participation and publication of the best papers in the magazines that will sponsor the event.

The forms of payment will be disclosed soon.

Contacts for Topics



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XIX Electrical Engineering Symposium



Universidad Central "Marta Abreu"
de Las Villas

2021