HỘI NGHỊ VÀ TRIỂN LÃM QUỐC TẾ LẦN THỨ 7 VỀ ĐIỀU KHIỂN VÀ TỰ ĐỘNG HOÁ

The 7th Vietnam International Conference and Exhibition on Control and Automation

10-11/5/2024 Hai Phong city

VCCA2024

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Vietnam Automation Association (VAA)
Vietnam Maritime University (VMU)
Department of Science and Technology Hai Phong
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CALL FOR PAPERS

http://www.vcca.engineer/vcca2024/vi/

Vietnam International Conference and Exhibition on Control and Automation (VCCA) is held biennially by Vietnam Automation Association (VAA) aiming at promoting control engineering and automation technology in economic and social development. The 7th **VCCA-2024** is co-organized by Vietnam Automation Association and Vietnam Maritime University and will be held on May 10-11, 2024 at Hai Phong city.

VCCA-2024 includes two part: Science Conference and International Exhibition & Business Forum

Conference Motto:

Automation and Digital Transformation for Promoting National Green Economic Development

Topics of Interest:

1. Automation: Sensors and actuators; Smart I/O; Totally integrated automation systems; SCADA/HMI, DCS, CAD/CAM/CIM/CNC; Embeded systems, PLC, PXI, IPC technology; Models and simulations of manufacturing process; Process control; Laboratory automation; Measurement and control networks; Smart measurment systems; Microprocesors, SOC, DSP, FPGA and ASIC in control; Power electronics; Internet of things; Big data; Sensor networks; Artificial intelligence.

2. Cybernetics: System theory; Control theory; Nonlinear systems; Discrete and hybrid systems; System identification; State filters and observers; Robust control; Smart control, fuzzy, expert, neural and genetic systems; Motion control; Control of power electronics; Model and control of industrial robots; Autonomous vehicles, mobile robot control; Bio system control; Visual based control; Language, posture and behavior based control; Control of micro and nano systems; Electrical machine control, electrical drives and control of energy systems.

3. Applications: Digital transformation solution: Digital government, digital society, digital economics; Smart cities; Intelligent transportation systems; Process control in factories; Automation in ship industry; Automation in agriculture; forestry and aquaculture; Automation in drinking water and waste water treatment; Building management systems, smarthome; Automation in mining, mineral extraction and metallurgy; Automation in machinery manufacturing; Automation in garment and shoemaking; Automation in energy sector, power systems and renewable energy; Control applications in aeronautics and space engineering, National security and defense applications; Education and training applications; Public health and medical applications; Natural calamity prevention and pollution treatment applications; Control and monitoring for city flood protection system; Other applications…

Manuscript Submission:

Submitted papers to VCCA must be original, not previously published or accepted for publication elsewhere, written in Vietnamese or English and formatted in VCCA-2021 standard (see in website of conference **http://www.vcca.engineer/vcca2024/vi/**. Papers are submitted on-line to **https://easychair.org/conferences/?conf=vcca2024** before **15/01/2024**. If a paper is accepted, at least one of the authors listed on the paper must attend the conference and present the paper. No-show papers will not be included in USB proceedings.

Special Session Proposal

Sessions consist of papers presenting a unifying theme from a diversity of viewpoints of research and training organization in control engineering and automation technology. Proposals should be emailed to program chair via tudonghoavp@gmail.com.

Advertisement and Exhibition

Exhibitors are invited to showcase, demonstrate and market control-related publications, software tools, prototypes, educational products, services.

Sponsorship

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For detailed information please contact the Conference Organizing Committee

Room 410, 24 Ly Thuong Kiet Street, Hanoi; Tel: (+84) 24 3266 9648; Email: tudonghoavp@gmail.com

Timelines:

Full paper submission:	**31/5/2023 – 31/12/2023**
Notification of paper acceptance:	**31/01/2024 – 15/3/2024**
Camera-ready paper submission:	**16/3/2024 – 15/4/2024**
Registration:	**16/4/2024 – 05/5/2024**
Conference (scheduled):	**10-11/5/2024**