



# The 5<sup>th</sup> International Conference on Green Technology and Sustainable Development (GTSD 2020)

27-28 November 2020 - Da Nang City, Vietnam

## CALL FOR PAPER

<http://gtsd2020.hcmute.edu.vn>

### Honorary Chairs

Prof. Do Van Dung, HCMUTE, VN  
Prof. Nguyen Ngoc Thanh, WUST, PL  
Prof. Nguyen Ngoc Vu, UDN, VN

### General Chairs

A/P. Le Quang Son, UDN, VN  
A/P. Le Hieu Giang, HCMUTE, VN  
A/P. Ngo Van Thuyen, HCMUTE, VN

### Organizing Chairs

A/P. Hoang An Quoc, HCMUTE, VN  
A/P. Nguyen Le Hung, UDN, VN

### Publicity Chair

A/P. Do Thanh Trung, HCMUTE, VN  
A/P. Le Tien Dung, DUT-UND, VN

### Program Chairs

Prof. Wen-June Wang, NCU, TW  
Prof. Yo-Ping Huang, NTUT, TW  
A/P. Le Hieu Giang, HCMUTE, VN  
A/P. Nguyen Le Hung, UND, VN

### Steering Committee

Prof. Edward Szczerbicki, UON, AU  
Prof. Pei-Jun Lee, NCNU, TW  
Prof. Ljiljana Trajkovic, SFU, CA  
Prof. Dong-Joo Lee, YU, KR  
Prof. Sang-Ryeoul Ryu, GU, KR  
Prof. Hien Quoc Ngo, QUB, UK  
Prof. Quoc-Tuan Vien, MDX, UK  
Prof. Eunika Mercier-Laurent, URCA, FR

### Steering Committee (cont.)

Prof. Shouyin (Ian) Yang, NFU, TW  
Prof. Chen Chang-Ren, KSU, TW  
Prof. Chou Huann-Ming, KSU, TW  
Prof. Jau Huai Lu, NCHU, TW  
A/P. Ching Hu-Lu, NTUST, TW  
A/P. Nguyen Xuan Hung, HUTECH, VN  
A/P. Nguyen Trung Kien, HCMUTE, VN  
A/P. Doan Quang Vinh, DUT-UND, VN  
A/P. Dinh Thanh Viet, UND, VN  
Dr. Nguyen Minh Khai, QUT, AU  
Dr. Tam Nguyen, UC Boulder, USA

### Registration Chair

Dr. Nguyen Vu Lan, HCMUTE, VN

**GTSD 2020**, the fifth in the GTSD series, is co-organized by HCMC University of Technology and Education, Vietnam, The University of Da Nang, Vietnam, Ho Chi Minh City Department of Science and Technology (HCMC People's Committee, Vietnam), IEEE Systems, Man and Cybernetics Society, Kun Shan University, National Kaohsiung University of Science and Technology, Taiwan. The conference will be held on November 27-28, 2020 in Da Nang City, Vietnam. The aim of the conference is to provide an international scientific research forum in technologies and applications of green technology and sustainable development in industrial revolution 4.0, with focus on computational intelligence methods and techniques. Authors are encouraged to submit original and recent research in areas of power, energy, new material and environmental engineering as well as advances in computational intelligence that are benefiting the following fields:

Artificial Intelligence and Machine Learning<sup>(\*)</sup>  
Automation Applications in Environmental Technology  
Autonomous Vehicle Support Systems  
Bioenergy, Biomass and Biofuels  
Biomedical Informatics and Computation  
Chemical Science and Technology  
Computational Models for Sustainable Development<sup>(\*)</sup>  
Computational and Civil Engineering<sup>(\*)</sup>  
Computational neuroscience<sup>(\*)</sup>  
E-commerce<sup>(\*)</sup>  
E-Learning and Teaching<sup>(\*)</sup>  
Energy Demand Control Systems  
Energy Efficient Designs and Standards  
Energy Management Systems

Energy Saving Technologies and Systems  
Environmental Chemistry and Pollution  
Food Science and Technology  
Control Green Architecture and Design  
Green Economy and Industrial Ecology  
Green Nanotechnology  
Green Power Systems, Smart Grid  
Green Technologies in Information<sup>(\*)</sup>  
Human-centered Human-centric Computing<sup>(\*)</sup>  
Information and System Engineering<sup>(\*)</sup>  
Intelligent Techniques in Optimization<sup>(\*)</sup>  
Intelligent Decision Making and Support  
Intelligent Network Security<sup>(\*)</sup>  
IoT in Transportation Systems<sup>(\*)</sup>

IoT in Education and Industry<sup>(\*)</sup>  
Medical and Healthcare Systems<sup>(\*)</sup>  
Neural Networks and Fuzzy Systems<sup>(\*)</sup>  
Principles of Building Green  
Renewable Energy Supply and Technologies  
Robotics and Mechatronics<sup>(\*)</sup>  
Signal/Image Processing<sup>(\*)</sup>  
Sustainable Materials  
Sustainable Solutions in Developing Countries  
Systems Safety and Security  
Virtual Worlds and Society<sup>(\*)</sup>  
Zero Net Energy (ZNE) Buildings  
Water Systems and Sustainability  
Web Intelligence and Multimedia<sup>(\*)</sup>

### Paper Submission

English is the official language of the conference. Submitted papers must be original and not published elsewhere or intended to be published during the review period. Authors are able to select to submit papers in the format of either **Springer LNCS** (for fields with asterisk <sup>(\*)</sup>, not exceed 12 pages) or **IEEE Xplore template** (for all fields, not exceed 08 pages). The papers are to be submitted electronically in PDF format through Easy Chair at <https://easychair.org/conferences/?conf=gtsd2020>.

### Conference Publication

All papers will be reviewed by the GTSD 2020 International Program Committee thoroughly on the basis of scientific quality, significance, relevance and clarity. Selected papers for GTSD 2020 will be published in either one of the following 2 volumes:

- ① Proceedings Volume 1 by IEEE Xplore (Subject to confirmation)
- ② Proceedings Volume 2 by Springer (*Advances in Intelligent Systems and Computing series with ISSN: 2194-5357*)

### Organized by:



### Technical Sponsored by:



### In cooperation with:



### Important Dates

Abstract submission deadline: February 29, 2020  
Abstract acceptance notification: February 20, 2020  
Full paper submission deadline: April 30, 2020  
Reviewer's feedback deadline: June 30, 2020  
Final paper deadline: July 20, 2020  
Registration & payment deadline: August 20, 2020  
Conference date: November 27-28, 2020

### Da Nang City:

Da Nang is one of the major port cities and the fifth biggest city in Vietnam. It is the third biggest economic center of the nation, after Ho Chi Minh City and Hanoi. Da Nang International Airport (DAD) is located 2 km west of Da Nang city center. It provides connections to such big cities in Asia as Kuala Lumpur, Singapore, Bangkok, Hong Kong, Seoul, Taipei, Tokyo, Shanghai and several other destinations in China. It offers multiple daily flights to and from Hanoi and Ho Chi Minh City.

Contact information: ✉ [gtsd2020@hcmute.edu.vn](mailto:gtsd2020@hcmute.edu.vn)

🌐 <http://gtsd2020.hcmute.edu.vn>

☎ +84 908197416 (A/P. Hoang An Quoc)