



The 2019 6<sup>th</sup> NAFOSTED Conference on Information and Computer Science (NICS) 2019 is an International Conference on Information and Computer Science, technical sponsored by IEEE and co-organized by Posts and Telecommunications Institute of Technology (PTIT) and the National Foundation for Science and Technology Development (NAFOSTED) of Vietnam. It aims to build a durable, innovative and conducive forum for international researchers to present and discuss recent advancements and future directions in the field of information and computer science. NICS 2019 will be held at Hanoi city during December 12-13, 2019 and hosted by Posts and Telecommunications Institute of Technology, Hanoi, Vietnam.

## TECHNICAL PROGRAM

The conference program will run for two days with the regular tracks, tutorials and special sessions. For the tracks and special sessions, we invite you to contribute your original work on topics in the following, but not limited to, areas:

### Foundations of Computer Science

- ◆ Theory of computation
- ◆ Algorithms and data structures
- ◆ Programming language theory
- ◆ Applied computer science
- ◆ Computer security and cryptography
- ◆ Computational science
- ◆ Concurrent, parallel and distributed systems

### Computational Intelligence

- ◆ Language and speech processing
- ◆ Soft computing
- ◆ Computer vision
- ◆ Bioinformatics
- ◆ Knowledge discovery
- ◆ Data mining
- ◆ Machine learning & Deep learning
- ◆ Computational biology
- ◆ Agent-based systems
- ◆ Semantic web
- ◆ Information extraction and retrieval

## SUBMISSION & POLICIES

Authors are invited to submit papers of up to 6 pages, written in English, in PDF format and compliant with the IEEE standard. The proceedings of NICS 2019 will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. All papers must be original contributions and not previously published, nor currently under consideration, for publication elsewhere at the conference.

Paper submission on EDAS: <https://edas.info/N26598>

## COMMITTEE

### Steering Co-chairs

Do Tien Dung, NAFOSTED, Vietnam

Vu Van San, PTIT, Vietnam

Ho Tu Bao, John von Neumann Institute, Vietnam National University, Ho Chi Minh City, Vietnam

### Program Chairs

Tu Minh Phuong, PTIT, Vietnam

Bui Thu Lam, Le Quy Don Technical University, Vietnam

Vo Nguyen Quoc Bao, PTIT, Vietnam

### Communication and Networking

- ◆ Wireless Communications
- ◆ Signal Processing for Communications
- ◆ Network architecture
- ◆ Network protocols and security
- ◆ Parallel and distributed computing
- ◆ Grid computing
- ◆ Cloud computing
- ◆ Mobile and ubiquitous computing
- ◆ Quantum communications
- ◆ Network Security

### Software Engineering

- ◆ Software development methods
- ◆ Software system modeling
- ◆ Component-based, model-driven, grid-based, automated software engineering
- ◆ Open source software development
- ◆ Software process, testing and verification
- ◆ Embedded system testing and verification
- ◆ Multi-core programming
- ◆ Real-time systems
- ◆ Web services
- ◆ Human-computer interface and interaction

## IMPORTANT DATES

### Regular/special paper submission:

Manuscript submission (Hard):	October 10, 2019
Notification of acceptance:	October 30, 2019
Camera-ready submission:	November 15, 2019

### Proposal submission:

Special sessions:	July 30, 2019
Tutorials:	July 30, 2019

### Executive General Chairs

Pham Dinh Nguyen, NAFOSTED, Vietnam

Dang Hoai Bac, PTIT, Vietnam

### Local Arrangement Chairs

Vu Van Minh, NAFOSTED, Vietnam

Tran Quy Nam, PTIT, Vietnam

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### Publication Chairs

Huynh Van Hoa, PTIT, Vietnam