**CALL FOR PAPERS**

# 28th IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing

(IEEE/ACIS SNPD 2024)

4-6 December 2024, Taichung, Taiwan

http://www.acisinternational.org/snpd2024/

Sponsored by IEEE and ACIS, USA.

In Cooperation with National Chin-Yi

University of Technology, Taiwan



**Important Dates**

| | |
|---|---|
| **Workshop/Special session proposal:** | **16 June, 2024** |
| **Workshop/Special session acceptance notification:** | **30 June, 2024** |
| **Full/Poster Paper submission:** | **4 September, 2024** |
| **Acceptance notification:** | **18 September, 2024** |
| **Registration & camera-ready papers:** | **1 October, 2024** |
| **Conference Dates:** | **4-6 December, 2024** |

The 28th IEEE/ACIS International Winter Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD2024-Winter) brings together researchers, scientists, engineers, industry practitioners, and students to discuss, encourage and exchange new ideas, research results, and experiences on all aspects of computer and information science. SNPD2024-Winter aims to facilitate cross-fertilizations among the key technology enabling areas and is soliciting papers in these areas:

## TRACK 1: Computer software Engineering
- Software development life cycle
- Agile development methods
- Testing, and quality assurance
- Information Security
- Digital Right and Watermarking
- Digital Content and Web Service

## TRACK 2: Artificial Intelligence and Machine Learning

- AI Image Classification, Processing and Applications
- AI applications in various areas
- Natural language processing
- Machine vision
- Deep learning
- AI applications in software automation
- Improved intelligent systems

## TRACK 3: Networking and Communication Technologies

- Network protocols
- Network security
- Sensors network
- Embedded networked sensors
- Internet of Things (IoT)
- Cloud computing
- Communication mechanisms in distributed systems

## TRACK 4: Parallel and Distributed Computing

- Distributed system architectures
- Multi-core processing
- Parallel computing in cloud environments
- Parallel algorithms and their implementation
- Data-intensive platforms and applications
- Parallel processing in graph and irregular applications
- Performance analysis in parallel applications

## TRACK 5: Software Engineering and Human-Computer Interaction

- Human-computer interaction
- User-centric design
- User experience (UX)
- User interface (UI) development
- Big data processing
- Software tools and environments

## TRACK 6: Digital signal processing and applications

- Signal processing theory and algorithms
- Audio and speech processing
- Sonar, radar and other sensor array processing,
- Digital image processing,
- Data compression, video coding, audio coding,
- Image compression
- Signal processing for telecommunications

### TRACK 7: System integration and control
- Control system
- Automation
- Robotics and control
- Fuzzy Systems
- Embedded Systems
- Microprocessor applications in IoT

**IEEE/ACIS SNPD 2024 Proceedings will be published by IEEE Conference Publishing Services and will be submitted to be indexed by EI, INSPEC, and DBLP**

*Conference officers will select outstanding papers for publication in the following journals (www.acisinternational.org):*

- *International Journal of Networked and Distributed Computing (IJNDC), Paris,France*
- *International Journal of Software Innovation (IJSI), IGI Global,U.S.A.*
- *International Journal of Big Data Intelligence and Applications (IJBDIA), IGI Global, U.S.A.*
- *Studies in Computational Intelligence(SCI), Springer,Germany*

Best Paper Award and Best Student Paper Awards will be conferred at the conference (in order to qualify for the award, the paper must be presented at the conference.)

## Organizing Committee

**General Chair**:
Wen-Yuan Chen, National Chin-Yi University of Technology, Taiwan

**Conference Chair**:
Shu-Ching Chen, Florida International University, USA
Win-Jet Luo, National Chin-Yi University of Technology, Taiwan. Email: wjluo@ncut.edu.tw
Sheng-Chih Yang, National Chin-Yi University of Technology, Taiwan. Email: scyang@ncut.edu.tw

**Program Chair:**
Masahide Nakamura, Kobe University, Email: masa-n@people.kobe-u.ac.jp
Huber Nieto-Chaupis, Universidad Autónoma del Perú, Email: huber.nieto@autonoma.pe
Hsiung-Cheng Lin, National Chin-Yi University of Technology, Taiwan. Email:hclin@ncut.edu.tw

**Registration Co-Chair:**
Chuin-Mu Wang, National Chin-Yi University of Technology, Taiwan
Ruey-Maw Chen, National Chin-Yi University of Technology, Taiwan

**Local Arrangements Chair:**
Chia-Chen Lin, National Chin-Yi University of Technology, Taiwan. E-mail : ally.cclin@ncut.edu.tw

Jun-Juh Yan, National Chin-Yi University of Technology, Taiwan. E-mail : jjyan@ncut.edu.tw

**Publicity Co-Chairs:**
Ing.habil.Roland Stenzel, Dresden University of Applied Sciences, Germany. Email: roland.stenzel@htw-dresden.de
Mei-Ling Shyu, University of Miami, USA. Email: shyu@miami.edu
Mei Wang, Xi'an University of Science and Technology, China. Email: wangm@xust.edu.cn
Narayan C. Debnath, Eastern International University, Vietnam. Email: narayan.debnath@eiu.edu.vn
Trung Pham, University of Talca, Chile. Email: pham.trung@sbcglobal.net
Vincent CS Lee, Monash University, Australia. Email: Vincent.CS.Lee@monash.edu
Ming-Yi Tsai, National Chin-Yi University of Technology, Taiwan. Email:mytsai@ncut.edu.tw
Sheng-Chih Yang, National Chin-Yi University of Technology, Taiwan. Email:scyang@ncut.edu.tw


**Finance Chair:**
Hsin-Chiang You, National Chin-Yi University of Technology, Taiwan

**Publication Chair:**
Worajit (Sai) Setthapun, Chiang Mai Rajabhat University, Thailand