

The FGCS 2025 Spring International Workshop on Future Generation Computer Services

**"Future Generation Computer Services,
AI, Security, Quantum, Cloud, IoT, and Computing"**

Mar. 27 - 29, 2025
Phu Quoc, Vietnam

Organized by
KCIA & AI+DA & SSL & GQAS

Message from the FGCS 2025 Spring General Chairs

The FGCS 2025 Winter "Future Generation Computer Services, AI, Security, Quantum, Cloud, IoT, and Computing" will be held in Phu Quoc, Vietnam on Mar. 27-29, 2025. The FGCS 2025 Spring is aimed at address key themes on " Future Generation Computer Services, AI, Security, Quantum, Cloud, IoT, and Computing ". The FGCS 2025 Spring will be the most comprehensive conference focused on Information Technology, computing, and applications, and will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of future in IT, Applications, and Services (AITA). In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications in future IT. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject.

Accepted and presented papers highlight new trends and challenges of Future Generation Computer Services. The presenters showed how new research could lead to novel and innovative applications. We hope you will find these results useful and inspiring for your future research.

We cordially thank all the authors for their valuable contributions and the other participants of this workshop. The workshop would not have been possible without their support. Thanks are also due to the many experts who contributed to making the event a success.

General Chairs

James J.(Jong Hyuk) Park, SeoulTech, Korea

David Camacho, Universidad Politécnica de Madrid, Madrid, Spain

Young-Sik Jeng, Dongguk University, Korea

Organization

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Program Chairs

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Kwang-il Hwang, Incheon National University, Korea
Jin Wang, Changsha University of Science and Technology, China

PROGRAM SCHEDULE FOR FGCS 2025 SPRING

Day 1, Mar. 27, 2025		
Time	Min	HALL A
15:30-16:00	30	Registration
16:00-18:00	120	Session A-1
18:00-18:30	30	Break
18:30-20:30	120	Welcome FGCS Workshop (Only for Invited Members)

Day 2, Mar. 28, 2025		
Time	Min	HALL A
10:00-11:40	100	Session A-2
11:40-13:00	80	Lunch
13:00-14:40	100	Session A-3
14:40~15:00	20	Coffee Break
15:00~17:00	120	Special Speaker
17:00~18:00	60	Break
18:00~20:00	120	Banquet (Only for Invited Members)

Day 3, Mar. 29, 2025		
Time	Min	HALL A
09:00-11:00	120	Program Committee Meeting
11:00-13:00	120	Organizing Committee Meeting

1. A paper presentation should be made by one of authors of the paper for 3~40 minutes.
(2~30 minutes for the presentation itself and 10 minutes for Q/A)
2. All speakers of each session should meet the session chair at their room 10 minutes before the session begins.
3. Windows 10 laptops running the Adobe Reader and Microsoft Office for paper presentations will be prepared. Please prepare for your presentation.

DETAILED SCHEDULE FOR THE FGCS 2025 SPRING

Day 1, Mar. 27, 2025 (Thursday)

15:30-16:00 **Registration**

16:00-18:00 **Session A-1**
(HALL A)

- 1. Leveraging Quantum Technology for Federated Learning in Space-Air-Ground Integrated Networks**
Minji Kim, Jong Hyuk Park
- 2. Quantum Machine Learning-Based Malicious User Detection in Cloud Networks**
Abir EL Azzaoui, Jong Hyuk Park
- 3. Perplexity Attention Weighted Networks for AI generated text detection**
P Miralles-González, David Camacho

18:00-18:30 **Break**

18:30-20:30 **Welcom FGCS Workshop**

Day 2, Mar. 28, 2025 (Friday)

10:00-11:40 **Session A-2**
(HALL A)

- 1. Analyzing Adversarial Attacks on Deep Learning-Powered Network Intrusion Detection and Countermeasures**
Min Woo Sung, Ji Su Park
- 2. Application Permissions for iOS Ransomware Detection**
Bille Remy, Stefanos Geroulanos
- 3. Deep Neural Network-Based Adversarial Anomaly Detection Scheme for Secure Cloud Environment**
Klaus Buchheim

11:40-13:00 Lunch

**13:00-14:40 Session A-3
(HALL A)**

- 1. Quantum Clustering Algorithms for Security in Distribute System**
Klaus Buchheim, Sascha Möhrle
- 2. An AI-based Authentication Protocol for Cloud**
Rajiv Kumar Gurjwa, AK Sangaiah
- 3. Trustworthy Blind Quantum Computing Across Distributed Multi-Party Networks**
NaYoung Kim, Jungho Kang,

14:40-15:00 Coffee Break

15:00-17:00 Special Speaker

“Application of Artificial Intelligence-based Security Technology for Smart City”

Sushil Kumar Singh
Associate Professor,
Department of Computer Engineering,
Marwadi University, Rajkot, Gujrat, India

17:00-18:00 Break

18:00-20:00 Banquet

Day 3, Mar. 29, 2025 (Saturday)

10:00-12:00 Program Committee Meeting

12:00-13:30 Lunch

13:30-15:30 Organizing Committee Meeting

Conference Venue



Novotel Phu Quoc Resort, Phu Quoc, Vietnam

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