

# WAAC06 :: The 9th Japan-Korea Joint Workshop on Algorithms and Computation

## Program

**Tuesday, July 4**

**9:00–9:50**

**Invited talk**

- **On-Line Character Animation**  
Sung Yong Shin

**10:05–11:45**

**Session 1**

- **Queue Layout of Bipartite Graph Subdivisions**  
Miki Miyauchi
- **Loose Covering by Graphs**  
Satoshi Fujita
- **Every Starlike Tree Spans Restricted HL-Graphs**  
Jung-Heum Park, Hyeong-Seok Lim and Hee-Chul Kim
- **Approximating Minimum Cost Multigraphs of Specified Edge-Connectivity under Degree Bounds**  
Takuro Fukunaga and Hiroshi Nagamochi

**13:15–14:30**

**Session 2**

- **Approximating the Maximum Independent Set and Minimum Vertex Coloring on Box Graphs**  
Xin Han, Kazuo Iwama, Rolf Klein and Andrzej Lingas
- **An Argument on Approximate Defective Coloring for  $k$ -colorable Graphs**  
Xuzhen Xie, Takao Ono and Tomio Hirata
- **Sufficient Condition and Algorithm for List Total Coloring of Series-Parallel Graphs**  
Yuki Matsuo, Xiao Zhou and Takao Nishizeki

**14:45–16:00**

**Session 3**

- **Constant Time Generation of Integer Partitions**  
Katsuhisa Yamanaka, Shin-ichiro Kawano, Yosuke Kikuch and Shin-ichi Nakano
- **Enumerating Split Graphs**  
Masashi Kiyomi and Takeaki Uno
- **Enumerating Non-crossing Minimally Rigid Frameworks**  
David Avis, Naoki Katoh, Makoto Ohsaki, Shin-ichi Tanigawa and Ileana Streinu

**16:15–17:55**

**Session 4**

- **Matching Algorithm for Extended Regular Expressions with Boolean Operations**  
Hiroaki Yamamoto, Yoshifumi Okada and Masayuki Okamoto
- **Comparisons of Practical Performance for Constructing Compressed Suffix Arrays**  
Chi Seong Park, Minhwan Kim, Heejin Park and Dong Kyue Kim
- **Approximation Algorithms for Optimal RNA Secondary Structures Common to Multiple Sequences**  
Takeyuki Tamura and Tatsuya Akutsu
- **Computational Analysis and Modeling of NFκB Activation during Hepatitis B Virus Infection**  
Taehyung Lee, Sung Gyoo Park, Kunsoo Park, Kwang-Hyun Cho and Guhung Jung

**18:30–**

**Banquet**

## **Wednesday, July 5**

**9:00–10:40**

**Session 5**

- **Optimal Construction of the City Voronoi Diagram**  
Sang Won Bae, Jae-Hoon Kim and Kyung-Yong Ghwa
- **An Efficient Algorithm for Evacuation Problems in a Certain Class of Layered Networks**  
Naoyuki Kamiyama, Naoki Katoh and Atsushi Takizawa
- **A Novel Cluster-based Architecture and Fast Broadcast for Dynamic Sensor Networks**  
Wei Chen, M.A.K.M.Islam, Mohan Malkani, Amir Shirkhodaie, Koichi Wada and Mohamed Zein-Sabatto
- **Power Analysis Countermeasure based on Ramp Schemes**  
Tetsuya Izu and Tsuyoshi Takagi

**10:55–12:35**

**Session 6**

- **Provably-Secure Password-Based Group Key Exchange in the Standard Model Using a Constant Number of Rounds**  
Jeong Ok Kwon, Ik Rae Jeong, Kouichi Sakurai and Dong Hoon Lee
- **Secure Registry Scheme with Randomness Reuse**  
E-Yong Kim and Kunsoo Park
- **Attack against a Cellular Automata Based Message Authentication Scheme**  
Mun-Kyu Lee and Dowon Hong
- **Efficient Blind and Partially Blind Signatures Without Random Oracles**  
Tatsuaki Okamoto