Special Issue on the First International Symposium on Computing and Networking

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Guest Editor-in-Chief

The First International Symposium on Computing and Networking (CANDAR 2013) was held in Matsuyama, Japan, from December 4th to 6th, 2013. This issue includes the extended version of 12 (twelve) papers that have been presented at the symposium. The first 4 (four) papers have been selected from invited keynote and tutorial talks of CANDAR 2013. Each of these papers has been thoroughly reviewed by experts. The final version, listed below, incorporates the reviewers' comments and suggestions.

- Selected Papers from Keynote and Tutorial Talks

- Naoaki Yamanaka, Hidetoshi Takeshita, Satoru Okamoto and Takehiro Sato, *Using Optical-Approaches to Raise Energy Efficiency of Future Central and/or Linked Distributed Data Center Network Services*;

- Ying-Dar Lin, *Research Roadmap Driven by Network Benchmarking Lab (NBL): Deep Packet Inspection, Traffic Forensics, Embedded Benchmarking, Software Defined Networking and Beyond*;

- Fumihiko Ino, Yosuke Oka, and Kenichi Hagihara, *A Fine Grained Cycle Sharing System with Cooperative Multitasking on GPUs*;

- Toru Hasunuma, Toshimasa Ishii, Hirotaka Ono, and Yushi Uno, *Algorithmic Aspects of Distance Constrained Labeling: A Survey*.

The remaining 8 (eight) papers are extended version of papers presented at the main CANDAR 2013 symposium or workshops. The organizers of the previous CANDAR edition invited authors to submit the extended version of the presented papers. As a result, 21 (twenty one) articles have been submitted to this special issue. After the stringent review process, the following papers have been accepted for publication.

- Accepted Extended Versions

- Jun Arai and Yamin Li, *Disjoint-Path Routing on Hierarchical Dual-Nets*;

- Yang Liu, Lin Meng, Ittetsu Taniguchi and Hiroyuki Tomiyama, *Novel List Scheduling Strategies for Data Parallelism Task Graphs*;

- Tomoki Kozu, Yuria Akiyama and Saneyasu Yamaguchi, *Improving RTT Fairness on CUBIC TCP*;

- Sumeet S. Kumar, Mitzi Tjin-A-Djie and Rene Van Leuken, *Pronto: A Low Overhead Message Passing System for High Performance Many-Core Processors*;

- Tsutomu Inamoto, Yoshinobu Higami and Shin-ya Kobayashi, *Optimal Periods for Probing Convergence of Infinite-stage Dynamic Programmings on GPUs*;

- Ulisses Rodrigues Afonseca, Thiago Fernandes Neves and Jacir Luiz Bordim, *Employing Cooperative Communication to Recover Network Connectivity in Ad Hoc Networks*;

- Meilin Wang and Kai-Hau Yeung, *RFID Multi-hop Relay Algorithms with Active Relay Tags in Tag-Talks-First Model*;

- Masahiko Morita, Takehiro Tawara, Masaomi Nishimura, Shin Yoshizawa, Bukai Chou, Ippei Kuroki, Takashi Ijiri, Yuki Tsujimura, Ryutaro Himeno and Hideo Yokota, *Communication Platform for Image Analysis and Sharing in Biology*.