

Summary on “SAINT2008 Workshop on Power Consumptions in Future Network Systems” (PCFNS’08)

Friday, August 1

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Topics

- Power Consumptions in Future Network Systems
 - This workshop offers the opportunity to bring together researchers involved in research on energy-saving technologies related to networks. It aims at exploring the most recent research results and ongoing work in areas such as photonic networks, wireless networks including sensor networks, autonomic computing, and home appliances. The workshop will foster exchange of experiences and collaboration among researchers.

Status

- No. of submissions: 15
- No. of presentations: 9 (7 Japan, 2 US)
- No. of participants: 20 & 24
- Panel: Power Consumption Target of Network Systems in 2030s
 - No. of presentations: 6
 - No. of Participants: 43

Program Committee

- Kilnam Chon, KAIST, Korea
- Hiroaki Harai, NiCT, Japan
- Tayeb Ben Meriem, France Telecom, France
- Shinji Nishimura, Hitachi, Ltd., Japan
- Mallik Tatipamula, Juniper Networks, U.S.A.
- Yoshio Yasumoto, Matsushita Electric Industrial Co. Ltd., Japan
- Xu Wang, Heriot Watt University, UK

Hot Issues

- Efficiency measure (1 Paper)
- Photonic network
 - **Device technologies (2 papers)**
 - **Architectures: (2 papers)**
- Wireless network
 - Commercial Wireless Service (1 Paper)
 - **Sensor networks and energy controls (1 Paper)**
- Future Device Technologies
 - **Energy harvesting technologies (1 Paper)**
 - **Superconductive device technologies (1 Paper)**

Plan for the Next SAINT

- Same Topic. Just Started.
 - This year discuss the comprehensive views from various related research areas
- Longer Presentation Time >25+5 min
- More architecture-oriented
 - Near Term & Longer Term of Solutions
 - Invited Speaker
 - Demonstrations
- Participants
 - Promote other countries than US and Japan.