

Asia Future Internet Forum (AsiaFI)

www.AsiaFI.net

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AsiaFI

Asia Future Internet Forum

- voluntary effort for collaborative Future Internet Research in Asia
- leadership from Korea, China and Japan
- formed in December 2007

Background

Networking research in Asia

- international collaboration is essential in networking research
- Asia lacks a framework/funding for large collaborative research
 - research projects are funded by each country
- needed to develop a forum for collaborative future Internet research

Membership

- individual membership open to the public
- sponsoring organizations

Organization

General Assembly: decision making by community consensus

Board: oversight functions

Steering Group: technical leadership

Committees: activity coordination

- Education Committee
- Testbed Committee
- Event Committee

Working Groups: research on specific research topics

- Architecture & Building Blocks WG
- Mobile/Wireless WG

Secretariat: administrative and operational support

Committees

Education Committee

responsible for educational programs

- semester courses
- Ph.D thesis committee sharing
- student exchange programs
- biannual schools on specific research topics
- tutorials

Testbed Committee

responsible for coordinating federation of testbeds

- wired testbed
- wireless testbed
- planetlab testbed

Goals

- to coordinate research on Future Internet among Asian countries, and with other countries
- long-term open research by international collaboration
- loose federation for tight collaboration
 - work around political/financial difficulties
 - encourage tight collaboration
- current focus on education
 - foster young researchers for future Internet research

Working Groups

Architecture and Building Blocks WG

Objective:

- gather the experience from current future Internet projects
- bring out the requirements
- discuss principles for Future Internet architecture design
- layout the engineering of a new architecture.

Scope:

- routing, forwarding, addressing, ID and location
- network management
- trust/security management
- service and application management

Mobile/Wireless WG

Objective:

- establish a forum for wireless and network mobility researchers to investigate key problems in the field for the future internet.
- establish a uniform testbed that researchers could use for experimentation as common tools, scenarios and methodologies. A more ambitious, longer-term goal is to become a catalyst for research in mobile/ wireless inter-networking for the future Internet.

Scope:

- problems Statement
- secure and fast handover, route optimization
- wireless mesh architecture
- ad hoc network

Future AsiaFI Meetings

- 2009.8.24 AsiaFI-FIF joint Workshop on Future Internet Testbed, Jeju
- 2009.8.24-28 AsiaFI School on Architecture and Building Blocks, Jeju
- 2009.8.24-28 AsiaFI Meetings, Jeju
- 2009.8.28 Asian Network Workshop, Jeju
- 2009.9.19 Beijing Mobile Internet through Cellular Networks(during MobiCom), Beijing
- 2009.11.17 The Future Internet Workshop, Bangkok