Internet Education and Research Laboratory (intERLab)

by
Kanchana Kanchanasut
www.interlab.ait.asia

APStar Retreat
Chiangmai
8 September, 2019

intERLab Activities

- ## AP Internet Information Center
  - ### APStar Secretariat

- ## Internet Infrastructure HRD (trainings)
- ## e-Education
- ## Research (technical research and conference)

AP Internet Information Center

THE COMMUNITY OF ASIA PACIFIC INTERNET ORGANIZATIONS

AP Organizations | **AP Retreats/ Meetings** | **AP Events** | **Members** | **Sponsors** | **Documents**

Next AP* Retreat

APStar Hong Kong Retreat Meeting

20 February 2011
Renaissance Hong Kong Harbour View Hotel
In conjunction with APRICOT-APAN

Upcoming Events of Asia Pacific Internet Organizations - 2011, 2012, 2013, 2014

APStar Retreat	20 February 2011	Hong Kong
APNIC 31	21-26 February 2011	Hong Kong
ICANN 40	13-19 March 2011	TBD
IETF 80	27 Mar - 2 Apr, 2011	Prague, Czech Republic
MENOG 8	01-02 April 2011	TBD
ARIN XXVII	10-14 April 2011	San Juan, Puerto Rico
RIPE 62	16-21 May 2011	Amsterdam, Netherlands
LACNIC XIV	22-28 May 2011	TBD
18th Euro-IX Forum	30 May - 01 Jun 2011	Catania, Sicily, Italy

SPONSORED BY

Asia & Pacific Internet Association

apia

Asian Pacific Regional Internet Conference on Operational Technologies

Asia Pacific Regional INTERNET Conference on operational Technologies

Asian Virtual Institute of Science and Technology

ASEAN-initiative on e-learning for competitive ASEAN

AP* SECRETARIAT SUPPORT FROM APIA

MEETING SPONSORS:
APRICOT
APNIC

www.apstar.org

IntERLab
Internet Education and Research Laboratory

Logistics support for

APSIG
Asia Pacific School on Internet Governance

2019 APSIG
Dates: 2019-07-07~10 (Registration Desk Opens in 9am - 8pm, July 7 Sunday)
Location: Asia Institute of Technology (AIT), Pathum Thani (near Bangkok), Thailand
                Meeting Room: B108, Conference Center, AIT
Local Organizer: intERlab, AIT
Local Information: Accomodation, Local Transportation, Medical Care, and Visa

2019 APSIG Participants: 34 (af, bd/6, cn/5, id/3, in/4, jo, jp, kr/2, lk/3, mm, np/4, pk, th, us)

Cover Pages (Class, Sessions)

Video of 2019 APSIG

Internet Infrastructure HRD

2019 Workshop (1)

- **BGP Peering Workshop, May 9-11**

  Philip Smith (NSRC) with Viraphand Samadi (AIT) and Kittinan Sriprasert (BKNIX)

  22 attendees from Cambodia and Thailand

- IS-IS design and best practices for Service Provider networks

- BGP protocol, attributes and policy control

- BGP scalability (including Route Reflectors and Communities)

- BGP Best Practices, including Aggregation

- BGP multihoming techniques (redundancy and load balancing)

- BGP Communities as used by Network Operators

Internet Infrastructure HRD

2019 Workshop (2)

- **Cyber Security Workshop (DNS Focused)**

    Paul Vixie (Farsight Security), Willem Toorop and Ralph Dolmans (NLnet Labs)

    22 attendees from Cambodia, Laos, Sri Lanka, Thailand and Vietnam ++

- NS concepts , BIND (DNS server) and Resolver (DNS client) , DNS debugging tools, troubleshooting, and techniques Reverse DNS , RNDC , Access control lists , TSIG , DNS security extensions (DNSSEC)

- DNS and IPv6, Secure DNS dynamic updates, DNS DDoS prevention with response rate limiting, DoT/DoH tradeoffs, DNS firewalls with RPZ , Passive DNS, DNS Security Analysis Threat Detection using passive DNS

More IoT Workshops @ intERLab next week

E-Education

- intERLab VClass learning platform by intERLab has been chosen for on-line courses by one of the ERASMUS MUNDUS (EU) project for interactive remote classrooms/labs.

Research Activities

- IoT and Future Internet Architecture (HAZEMON II)
- Air Quality Monitoring (Asia@Connect)
- Post-disaster networking — DUMBO
- Community Network

- Annual Academic Conference
  - AINTEC (7-9 August, 2019), Phuket

Future HRD?

- Less network engineering students — shortest of infrastructure engineers foreseeable

- More HRD through joint projects should be encouraged.