"Live E!" Symposium 2007
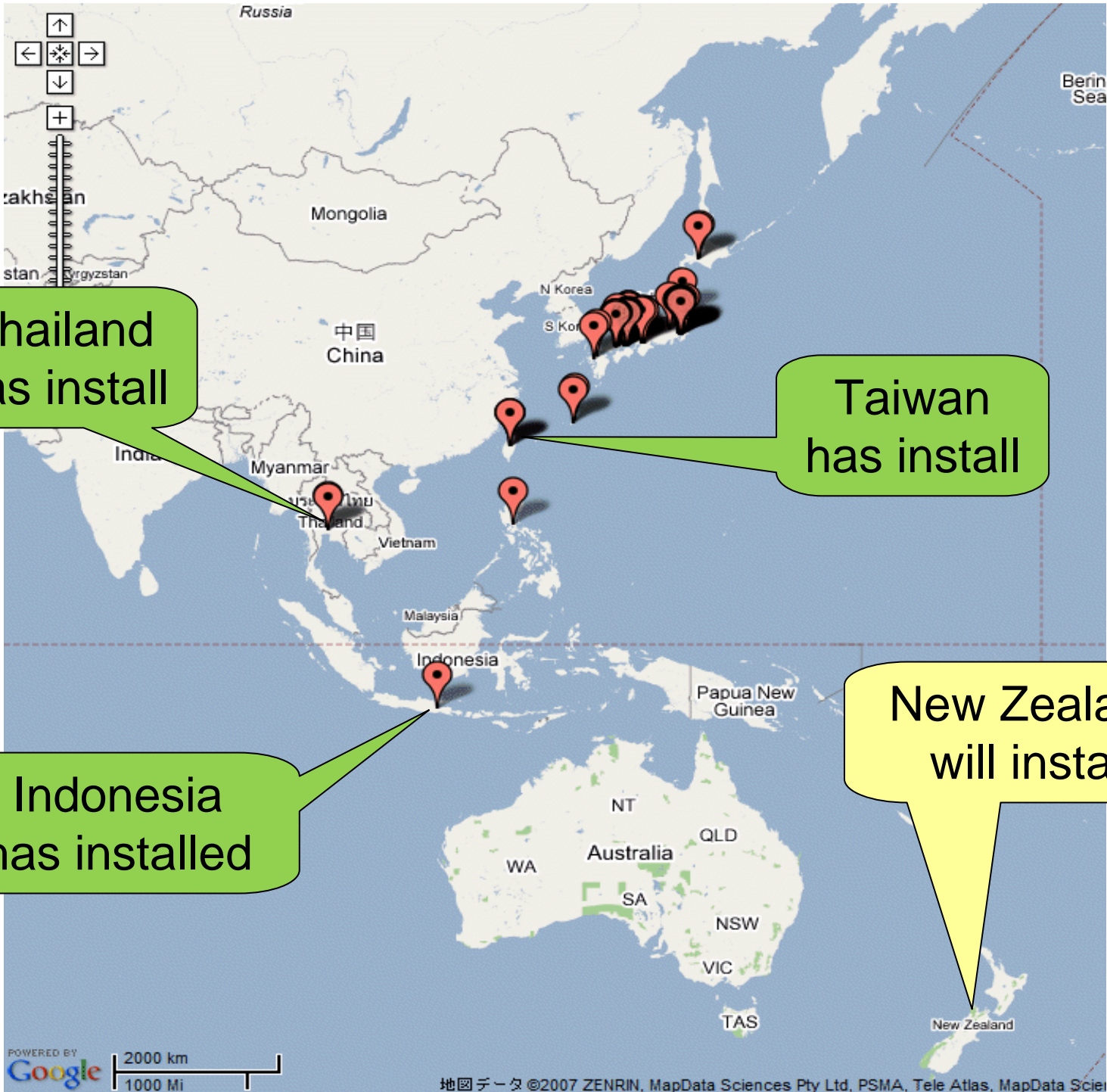# Globalization and Asian Activity
APNG Collaboration

October 22. 2007
Tokyo University

Hideya Ochiai Tokyo Univ.
Tommy Matsumoto APNG

Agenda

- Asian Activity
- APNG Collaboration
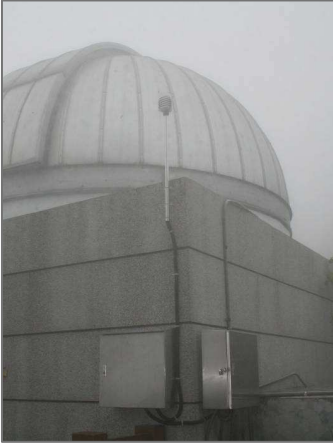- Live E! Technical WG Activity

Installation of Live E! Sensor node at KUSA

Four Sensor Nodes installed in Taiwan

現場裝置地理位置示意圖

往鳳凰山

賞鳥步道 (1950M)

天文台

竹類標本園　針葉樹標本園

銀杏林

住宿區庭園區　苗圃

服務中心(售票處)

露營區

往竹山

商店街

往竹山

入口

加油站

住宿登記處

派出所　客運站

入口(售票處)

森林自然生態展示中心

溪頭橋

親水公園

往杉林溪 (2400M)

觀　景　步　道 (2400M)

森林浴步道 (3000M)

天文台側面外牆

銀杏林觀測點

苗圃氣象站與辦公室

售票處後方

■ 藍色方塊圖形為施工配置位置

設施說明
- 洗手間
- 涼亭
- 停車場
- 景點
- 林道
- 步道
- 溪流

5

LIVE E! ; example of user application

- Has joined from ASTI of Philippine, PSU of Thailand and other locations (e.g., Taiwan, Malaysia, New Zealand) in Asian Pacific countries, collaborating with APAN and AI3.
- Integrating with other information systems, e.g., hurricane warning system
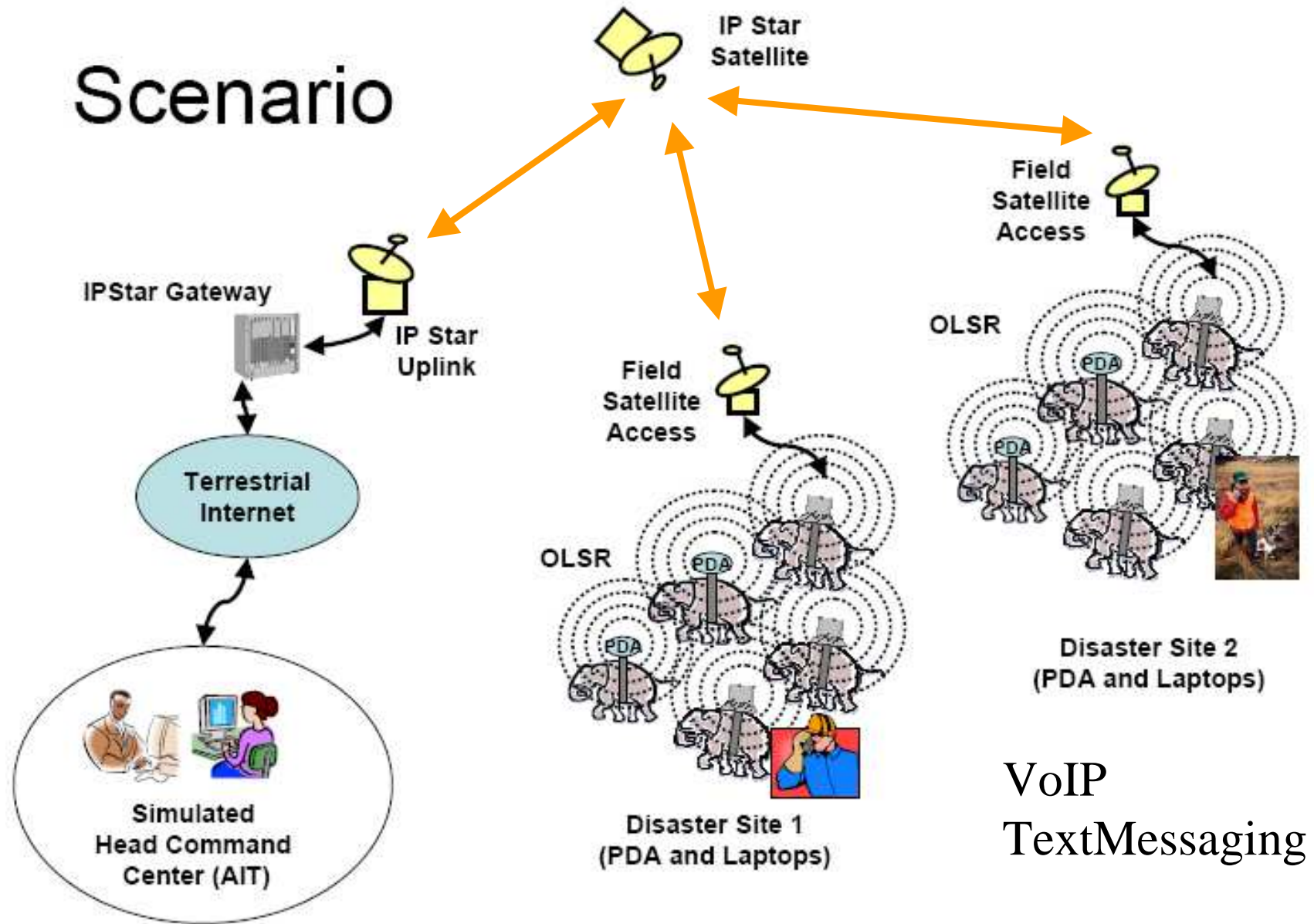
DUMBO with AIT@th

- Digital Ubiquitous Mobile Broadband OLSR
- Bangkok & Phuket, Thailand
- December 1st 2006 (14:00 – 16:30)

Problem Statement

- In disaster-affected fields, a hybrid mobile ad-hoc & satellite communication technology can be used together to provide broadband communication to aid search & rescue teams.
  - We are investigating an actual framework that integrate MANET (OLSR), satellite IP technology, and customized applications to potentially allow broadband communication applications among few disaster sites and a head command center.

DUMBO Project in Thailand with AIT

- Emergency Responding
- Live-e sensor in OLSR

Asia Pacific Networking Group

What is APNG?
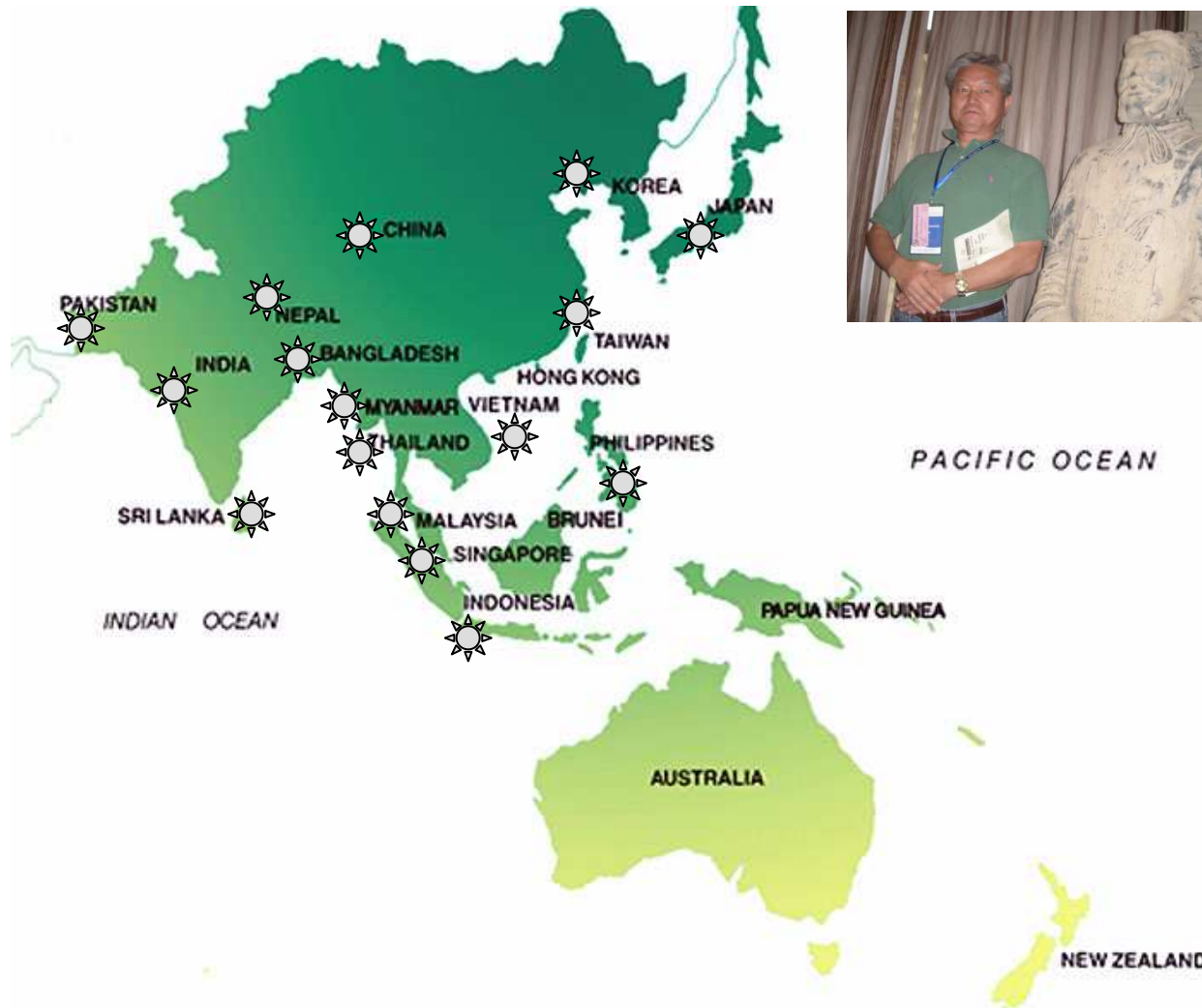
- The Next Generation
- work collaboratively
- for the betterment
- of the Next Generation
- with the support of
- Regional Leaders

Dinner out – 7th Camp

APNG Country Participants

Thailand
China
  - Beijing
  - Xian
  - Nanjing
  - Yanji
Sri Lanka
India

Pakistan

Myanmar
Cambodia
Korea
Mongolia
Japan
Taiwan
Malaysia
Banglade

APNG Organization

- **APNG Chair**
  - Prof. Kanchana & Grand-Pa Tommy
- **APNG Executive Committee**
  - Paul Wilson, Xing Li, Che-Hoo Chen, Kanchana & Tommy
- **10th APNG Camp Chair**
  - Aadit Shrestha, Wit Hmone Tin Lat
- **APNG Camp Advisors**
  - Ching Chiao, Kilnam Chon, Surasak Sanguanpong
- **APNG Secretariat**
  - Kung, Barry
- **Supporting Organization**
  - Asian Institute of Technology (AIT)
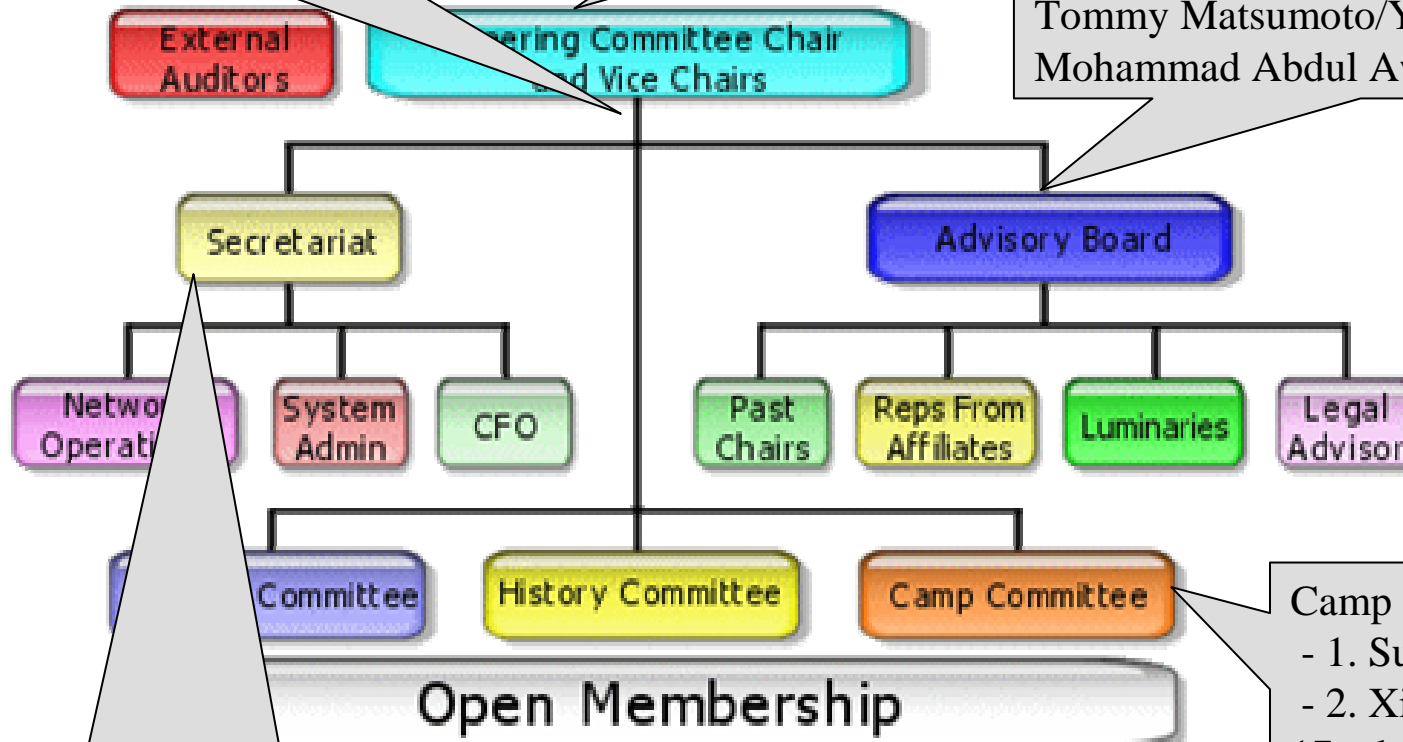 - Kasetsart University

Who are Responsible?

Executive Committee:
Tommy Matsumoto (Head)
Kilnam Chon (Advisor)
Kanchana Kanchanasut
Che-Hoo Cheng
Paul Wilson
Xing Li

Kilnum Chon / Haruhisa Ishida / Tan Tin Wee / Shigeki Goto
Xing Li / Tommy Matsumoto / Paul Wilson / Vincent Chen/
Jun Murai / Toru Takahashi / Abhisak Chulya / Kazunori Konishi

Ching Chiao/Izumi Aizu/James Seng
HJ Kwon/Benson Wu/Liu Xin/Taeha Park
Tommy Matsumoto/Yoo Ji Yul
Mohammad Abdul Awal

External Auditors

Steering Committee Chair and Vice Chairs

Secretariat

Advisory Board

Network Operation

System Admin

CFO

Past Chairs

Reps From Affiliates

Luminaries

Legal Advisor

Committee

History Committee

Camp Committee

Camp Chair
 - 1. Sumith Gamage (LK)
 - 2. Xiaohui Shi (CN)
17 other members
 - Represent 9 countries

Open Membership

Suphitsara Boonrat- intERLab/AIT, Thailand

APNG Camp

- APNG Camp is the camp for future internet leaders in the Asia Pacific Region where AP seniors and the Next Generation learn and work together. Sharing information among community promotes to activate Next Generation (APNG) activity through APNG Camp.

- The camp serves as place for opportunity of discussion for developing countries to challenge to create new Internet growth opportunities. The camp also helps people to learn the Asian Perspective of the Internet. APNG camp intends to foster multidisciplinary research including not only engineering but also non-engineering. APNG Camp holds at regular intervals in different international places as shown in Table 1.

Table 1

In the meeting

The 9ᵗʰ APNG camp participants

Costume Party

10th APNG Camp

- **Date :** August 11th -15th , 2008
- **Place :** Bangkok, Thailand
- **Venue :** Asian Institute of Technology (AIT)

- **Expected No. of Participants :**

    International : 40

    Local : 60

- **Sponsors :**

Camp 2008 @ Bangkok Thailand

The Grand Palace and The Temple of the Emerald Buddha

Temple of the Emerald Buddha (Wat Phra Kaew) in the grounds of the Grand Palace, Bangkok

ASIA PACIFIC NETWORKING GROUP

Best Wishes to the
10th APNG Upcoming
Camp 2008

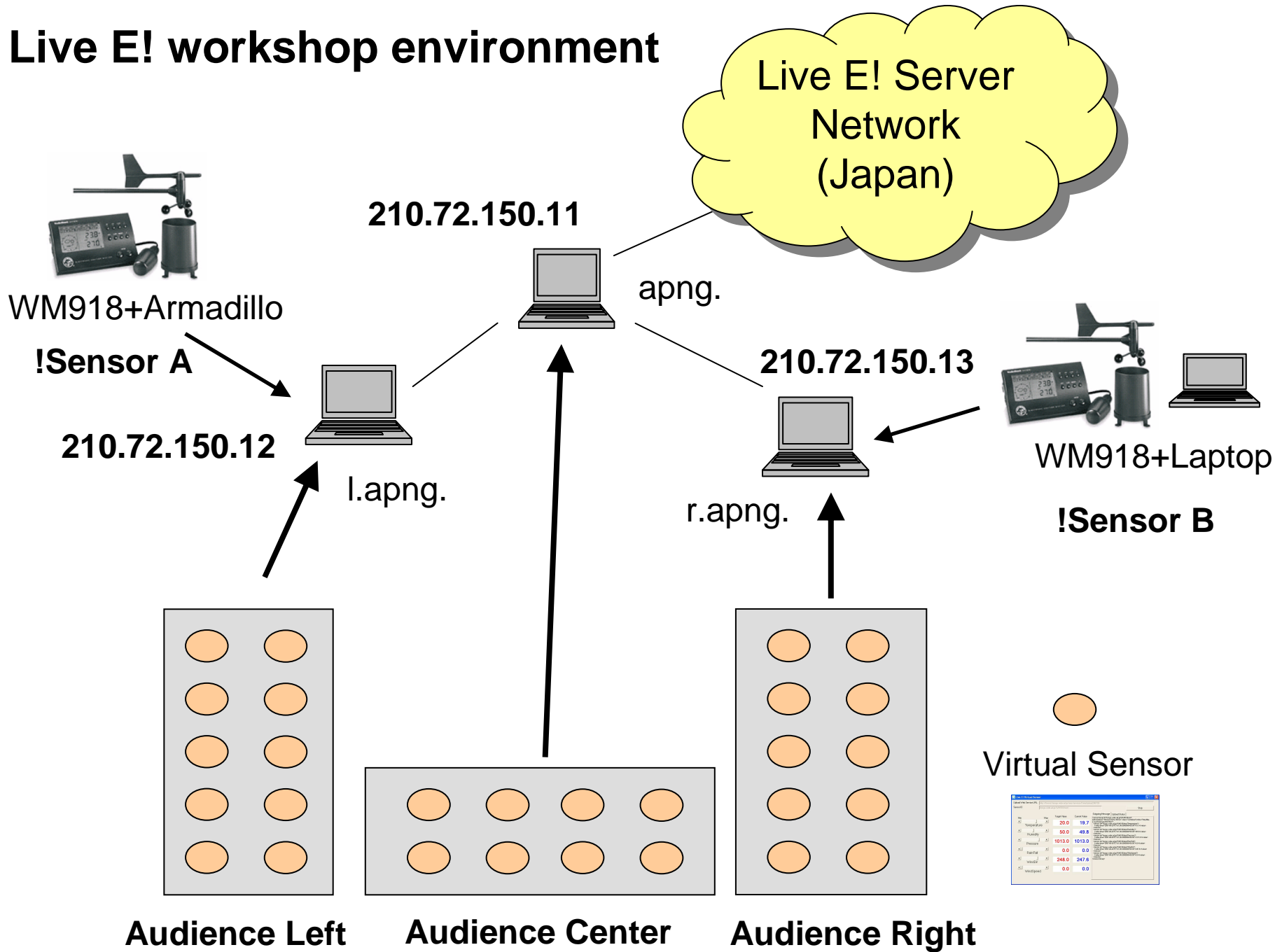Camp 2008 @ Bangkok Thailand

Works of Live E! Technical WG for Globalization

- System Support
  - Multi-Language Awareness
  - Time Zone Awareness
- Documentation
- Activity
  - The 9th APNG Camp in Xi'an, China
  - The 4th CNRS-WIDE workshop in Lyon, France

Live E! workshop @APNG Camp

- Date: 09:00 – 12:30, 30th Aug, 2007
- Objective
  - Understandings of meaning of sensor and data.
  - Understandings of how to operate Live E! servers.
- Outline
  - Introduction
  - System Architecture
  - Activity
    - Sensor data retrieval
    - Sensor registration and data upload

APNG Live E! workshop

Feedbacks of the workshop

- We want a survey of sensors
    - Price, Usage
- Source code should be open
    - To call for contributions from users and developers.
- Sri Lankan team was especially interested.

A sensor was gifted (lent)
to Mr. Dihan Morawaka

Collaboration with Kasetsart University

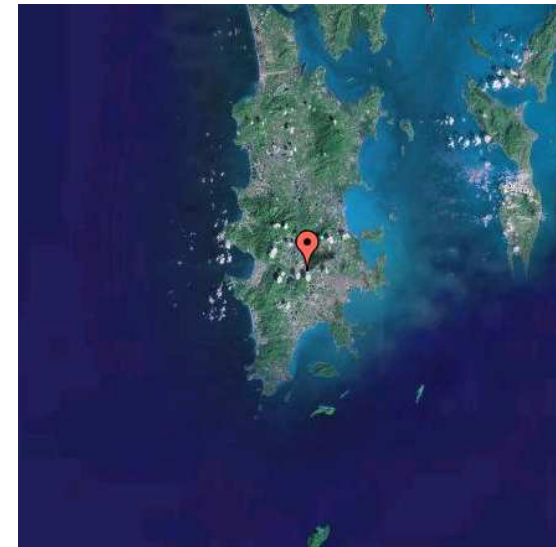**Weather Sensor (WXT510)**
in Kasetsart University

Phuket
Prince of Songkla University (PSU)

- E-Live Project in Thailand

  http://e-live.coe.phuket.psu.ac.th/

- Prof. Sinchai Kamolohiwong
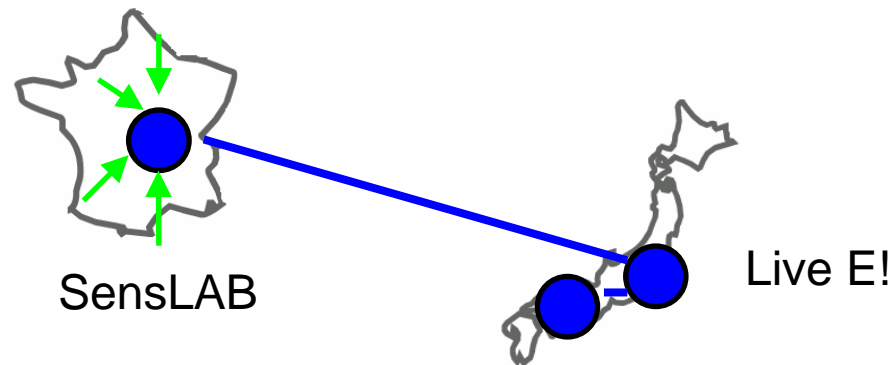- WMR968 weather station

CNRS-WIDE workshop

- Date: 15th-16th Oct, 2007
- Venue: ENS, Lyon, France
- Objective
  - To start up collaborative research activity
- SensLAB Project
  - Prof. Eric Fleury
  - Wireless Sensor Network Testbed

Collaboration with SensLAB

- They are installing three Live E! sensors.
- We will provide Live E! data for them for their testbed evaluation.

Setting up a server in France