

## Activity Report of Asia-Pacific Medical Network Project in Kyushu University Hospital : Vol.4

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バージョン :

権利関係 :

## 2. Achievements of this fiscal year

### Major achievements 2007.4–2008.3

1. First link to Europe
  - Collaboration with GEANT2, TEIN2
2. Live demonstration among eight stations with security
3. Many new connecting sites
4. Asia Telemedicine Symposium
5. Working group for Asia  
Telemedicine Development Center



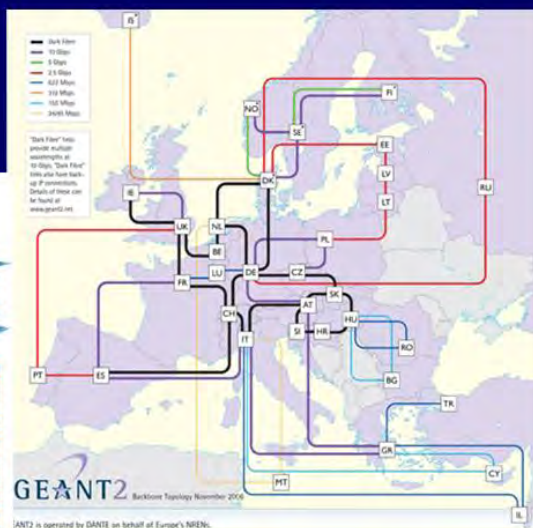
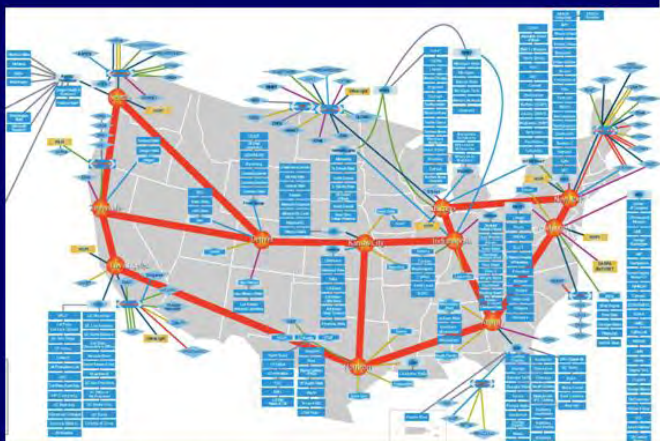
Here is a list of major achievements in this fiscal year.

## What is Academic Network?

	<b>Regular Internet</b>	<b>Academic Network</b>
<b>Set-up</b>	Service Providers	Governments
<b>Maintenance</b>	Service Providers	Researchers
<b>Costs</b>	Price list	Free for end users
<b>Bandwidth</b>	Price list	Fastest
<b>Contents</b>	No restriction	R&E only
<b>Performance</b>	Not bad, not good	Best tuned
<b>Technology</b>	Not advanced	IPv6, HDV, NGI
<b>Support</b>	Service Agreement	24 hr X 7 days

The characteristics of Academic Network (Research and Education Network: REN)

## Academic Network in Western countries



**USA:** Internet2 connects over 200 universities.

**Europe:** GÉANT2 connects 34 countries.

Academic Network is widely spread also in western countries.

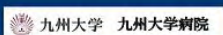


## Live Demonstration of Endoscopy with Europe



The first connection to Europe in August, 2007, at APAN-Xian.



## 2. Achievements of this fiscal year

# Asia Telemedicine Symposium

Date : 2007.12.7 (Fri) - 8 (Sat)  
Venue : Kyushu University Hospital  
Centennial Hall (Dec 7)  
Collaboration Research Station (Dec 8)

**The symposium aims to systematically spread the new "transport system of medical moving images," which utilize high-level IT technology and have been developed and field-tested, between Japan and Korea throughout all of Asia. This system will be used to address the disparities in medical care within Asia and new medical issues related to infection and natural disaster. By regularly and correctly sharing advanced medical techniques within the Asian area, where there is no problem of time differences, it is possible to activate international medical cooperation at general healthcare practitioners and the citizen-level, remote medical services, and medical education. Through the symposium participants seek to achieve a standardization of medical care in Asia and the worldwide establishment of this system.**

**Host:**  
Kyushu University Hospital, Dept. of Endoscopic Diagnostics and Therapeutics, Dept. of Medical Informatics, Japan Society for the Promotion of Science (JSPS) "Strategic Program for Building an Asian Science and Technology Community"

**Co-Hosts:**  
Kyushu University Interdisciplinary Programs in Education and Projects in Research Development (P&P), JSPS "Core University Program", JSPS "Asian Core Program"

**Sponsors and Supporters:**  
Fukuoka Prefecture, Fukuoka City, Kyushu University Asia Center, APAN-Japan, Kyushu Electric Power Co. Kyushu Economic Federation, Kyushu Island Alliance of ICT, Johnson & Johnson K.K., Olympus Medical Systems Corp., Kyushu University International Affairs Department, Division of Asian Medical Cooperation, Computing and Communications Center, QSDOP.

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### Program (The 1st day)

**Dec 7 (Fri) Main venue: Centennial Hall (Middle Hall 2)**

9:30-10:00	Registration
10:00-10:30	<b>Opening ceremony</b> Opening remarks: Prof Tanaka M (Kyushu University Hospital, Dept of Endoscopy) Host & Guest speech Yanagihara M (Kyushu University, Deputy-President) Saita S (Kyushu University Hospital, Director) Iwase K (Ministry of Education, Culture, Sports, Science and Technology)
10:40-11:20	<b>Keynote speech (1)</b> <Japanese & English simultaneous translation> "Asia Telemedicine Activity in Kyushu University" Shimizu S (Kyushu University Hospital)
11:20-12:00	<b>Keynote speech (2)</b> <Japanese & English simultaneous translation> "What is Asia-Pacific Advanced Network (APAN)?" Kitamura Y (National Institute of Information and Communications Technology)
12:00-13:30	Lunch
13:30-15:30	<b>International Tele-symposium</b> <Japanese & English simultaneous translation> "System for telemicine in major university hospitals in Asia: Toward the establishment of Asia Telemicine Center in Kyushu University" Chairpersons: Nakashima N, Han HS 13:40-14:00 "Seoul National University Bundang Hospital" JunHun Lee (Remote) 14:00-14:20 "National University of Singapore" Sew Hoo Lim (Remote) 14:20-14:40 "Flinders University in Australia" Colin Carati (Remote) 14:40-15:00 "Chinese University of Hong Kong" Patrick Lam (Local) 15:00-15:20 "Current situation of Japan and Kyushu University" Naoki Nakashima (Local)
15:30-16:00	Coffee break
16:00-18:00	<b>Medical workshop</b> <Japanese & English simultaneous translation> "Expansion of Asia Telemicine Activity: Promising medical contents)" 16:00-16:20 "Endoscopic surgery" Tokyo Medical Dental University Kojima K 16:25-16:45 "Gastrointestinal endoscopy" Kyoto 2nd Red Cross Hospital Tanaka K 16:50-17:10 "Robot" Kyushu University Advanced Medical Initiatives Hashizume M 17:15-17:35 "Transplantation" Kyushu University Kidney Care Unit Sugitani A 17:40-18:00 "International nursing" Kyushu International College of Nursing Kita E
18:00-18:10	<b>Guest speech</b> Maesawa A (Japan Society for the Promotion of Science)
18:30-20:30	Reception (Middle Hall 1)

**Venue 2: Conference Room 2**

13:30-18:30	<b>QSDOP Meeting</b> Language <Japanese> Chairperson: Okamura K • Discussion about new JGN2plus network • Preparation for the next APAN Meeting • Preparation for the next Core Seminar
16:00-18:00	<b>HLJK (High-speed Internet between Korea and Japan)</b> Language <English> Chairpersons: Okamura K, Hong CS • Report of the events between Japan and Korea • Remote lecture among Kyushu Univ, KHU and ChNU • Plan about future collaborations • Remote access using Wireless Network - CDN and VM

Asia Telemedicine Symposium was held in December, 2007, at Fukuoka, Japan.

# Asia Telemedicine Symposium

2007.12.7-8



Doctors and engineers met together from 8 countries with over 150 participants.

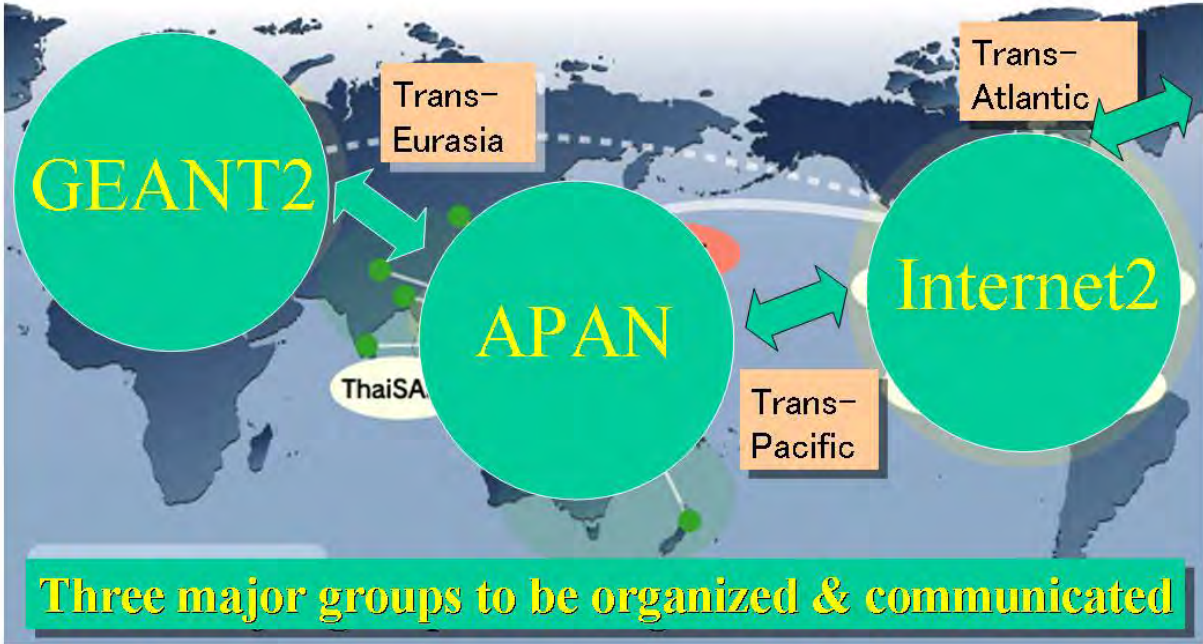


# Asia-Pacific Advanced Network (APAN)



Current topology of Asia-Pacific Advance Network (APAN).

## Advanced academic network is worldwide.



Academic network connects the world for research and education.