

「Asia-Pacific Medical Network Project in  
Kyushu University Hospital」 TEMDEC  
(Telemedicine Development Center of Asia)  
Annual Report : Vol.10

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## 6. Asia Telemedicine Symposium



**The 7<sup>th</sup> Asia  
Telemedicine  
Symposium**

**DATE** | 2013.12.13(Fri) – 14 (Sat)  
**VENUE** | 13<sup>th</sup> (Fri) Siriraj Hospital,  
Mahidol University  
14<sup>th</sup> (Sat) Faculty of Medicine,  
Chulalongkorn University  
**REGISTRATION FEE** | 20 US Dollars

**Hosts and sponsors:**  
Kyushu University Hospital, TEMDEC, Siriraj Hospital, Mahidol University, Faculty of Medicine, Chulalongkorn University, and the Thai Association for Gastrointestinal Endoscopy (TAGE)

# ATS2013 Program

Dec 13 (Fri) Mahidol University

●9:00-9:15

## Opening remarks

Udom Kachintorn (Mahidol Univ. Siriraj Hospital/Thailand)

●9:15-9:45

## Keynote Speech

Chair: Udom Kachintorn (Mahidol Univ. Siriraj Hospital/Thailand)

“Asia Telemedicine Symposium: past, present, and future”

Speaker: Shuji Shimizu (Kyushu Univ. Hospital/Japan)

●9:45-11:15

## APAN Medical sessions in 2013

Chairs: Rungsun Rerknimitr (Chulalongkorn Univ./Thailand)

Ho-Seong Han (Seoul National Univ. Bundang Hospital/Korea) (remote)

“This session reviews the representative programs held at APAN Meetings this year. Various new trials will be introduced together with long-lasting attractive programs.”

-Presentations: (10min presentation + 5min Q&A /each)

1. Endoscopy:

(Rungsun Rerknimitr/Chulalongkorn Univ./Thailand)

2. Surgery:

(Thawatchai Akaraviputh/Mahidol Univ. Siriraj Hospital/Thailand)

3. Hepato-pancreato-biliary: Tele live educational program among TEIN countries

(Ho-Seong Han/Seoul National Univ. Bundang Hospital/Korea) (remote)

4. Healthcare: Big data as a national asset

(Young-Sung Lee/Chungbuk National Univ./Korea)

5. Cardiology:

(Damaras Tresukosol/Mahidol Univ. Siriraj Hospital/Thailand)

6. Fetus: Trial of teleconference to promote the fetal diagnosis of congenital heart disease

(Motoyoshi Kawataki/Kanagawa Children's Hospital/Japan) (remote)

●11:15-13:00

## Hospital tour & Lunch

Mahidol University Siriraj Hospital

(Hospital introduction, Endoscopic room, SITEC, etc.)

●13:00-15:15

## Success and Failure of Telemedicine in Asia-Pacific

Chairs: Thawatchai Akaraviputh (Mahidol Univ. Siriraj Hospital/Thailand)

Shiaw Hooi Ho (Univ. of Malaya/Malaysia)

Panelists: Christopher Khor (NUS/Singapore)

Bani Lara (UP Manila/Philippines)

“The presenters introduce their activities in various fields from various countries and regions. They will talk about their successes and failures giving us hints to make better programs in better conditions.”



-Presentations: (8min presentation + 5min Q&A /each)

1. Successes and difficulties on telemedicine at endoscopic fields with introduction about new technology  
(**Kiyohito Tanaka**/Kyoto 2<sup>nd</sup> Red Cross Hospital/Japan) (remote)
2. Nation-wide remote seminar trials of fetal echocardiography in Japan  
(**Kazuto Noguchi** /Ehime Univ./Japan)
3. 2013 Our experience of international gastrointestinal endoscopic teleconference  
(**Chan Sup Shim**/Konkuk Univ./Korea)
4. Telemedicine between the University of Hong Kong and HKU-Shenzhen Hospital  
(**Albert AU**/ Hong Kong Univ./China)
5. Using broadband network for telemedicine activity: NTU experience  
(**Ti-Chuang Chiang**/Taiwan National Univ./Taiwan)
6. Some experiences in deployment of a new station from Cho Ray Hospital  
(**Le Thanh Ni**/Cho Ray Hospital/Vietnam)
7. Hybrid Transmission  
(**Mohamad Zahir Ahmad**/Univ. of Malaya/Malaysia)
8. Success and failure of telemedicine in Asia-Pacific  
(**Ungarala Satyanarayana**/Asian Institute of Gastroenterology/India)
9. Branching out: progress in the field of telemedicine in the department of ophthalmology of Veterans Memorial Medical Center  
(**Don Salvacion, June T. Mendiola, Byron G. Mendoza**/Veterans Memorial Medical Center/Philippines)
10. Current status of telemedicine at University of Indonesia  
(**Aria Kekalih**/Univ. of Indonesia/Indonesia) (remote)

● 15:15-15:45 **Break**

● 15:45-17:30 **Global expansion**

Chairs: **Takeshi Naito** (Tohoku Univ. Hospital/Japan)  
**Congxiao Bao** (Tsinghua Univ./China) (remote)

“Programs outside Asia will be introduced to find possibilities of more global collaborations.”

-Presentations: (10min presentation + 5min Q&A /each)

1. The CESNET supports telemedicine in Czech Republic  
(**Jiri Navratil**/CESNET/Czech)
2. Towards eHealth Implementation: What? Where? How Much?  
(**Frank Lievens**/Secretary and Treasurer of International Society for Telemedicine & eHealth (ISfTeH)/Switzerland)
3. Experience in telemedicine and suggested activities in Europe  
(**Helmut Neumann**/ U of Erlangen/Germany) (remote)
4. Activity expansion in Cape Town  
(**Sandie Thomson**/Univ. of Cape Town/South Africa) (remote)
5. Development of telemedicine on Central Asia  
(**Askar Kutanov** /CAREN/ Kyrgyzstan) (remote)
6. A study for the tele-medicine activities of the research and education networks  
(**Yasuichi Kitamura**/APAN-JP/Japan)

# ATS2013 Program

Dec 14 (Sat) Chulalongkorn University

● 8:30-9:30 **Tutorials of Vidyo system: Basics & Technical tips**  
(Hiroshige Kusumoto, Keiko Tsuchiya/Vidyo, Inc./Japan)

● 9:30-12:00 **New members: Lessons learned & seeking for collaborations**  
Chairs: **Ho-Seong Han** (Seoul National Univ. Bundang Hospital/Korea)  
**Kuriko Kudo** (Kyushu Univ. Hospital/Japan) (remote)  
Panelists: **Patpong Navichareern** (Chulalongkorn Univ./Thailand)  
**Thawee Ratanachu-ek**(Rajavithi Hospital/Thailand)  
**Junghun Lee** (Seoul National Univ. Bundang Hospital/Korea)

“Many new member institutions talk about their initial experiences with problems encountered and their next programs to be organized.”

-Presentations: (8min presentation + 4min Q&A /each)

1. Global telemedicine is now in practice  
(**Harold Dios**/Corporation Univ. for Desarrollo de Internet /Mexico) (remote)
2. Introduction of Gifu University Hospital, Implementation of telemedicine  
(**Naoki Matsumaru**/Gifu Univ./Japan)
3. Broad prospect from our cooperation--From past to future  
(**Cheng-Peng Li**/ Peking Cancer Center/China) (remote)
4. JJMC Professional education network  
(**Eric Yang**/J&J Training Center/China) (remote)
5. APAN new member's experience: A Malaysian perspective  
(**Jan Jin Bong**/Sunway Hospital /Malaysia) (remote)
6. Teleconference experience in GB Pant Hospital  
(**Anurudha Soni**/G.B.Pant/India) (remote)
7. Problems of endoscopy in Kazakhstan  
(**Kanat Batyrbekov**/Research Institute of Traumatology and Orthopedics /Kazakhstan) (remote)
8. The first time teleconference in Vajira Hospital  
(**Wisit Kasetsermwiya, Suphakarn Techapongsathorn, Satit Srimonthayamas, Sophon Lerdsirisophon, Amarit Talsawet, Ratanapong Saikaw**/Metropolitan Vajira/Thailand)
9. First live endoscopy  
(**Taya Kittiyakara**/ Ramathibodi Hospital/Thailand)
10. Hepatic venous pressure: Tele conference cart  
(**Manish Dutta**/Institute of Liver and Biliary Sciences/India)
11. UMS: Telemedicine: Issues and trends  
(**Muhammad Iftikhar**, Tan Tek Song/ Univ. Malaysia Sabah/Malaysia)

● 12:00-14:00 **Lunch time & Hospital tour**

Faculty of Medicine Chulalongkorn University  
(Cadaver training center, Computer center, Education center, etc.)

● 14:00-16:00

**Panel discussion:**

**Technical reviews for the perfect quality of service (Answer Pads)**

Chairs: **Ti-Chuang Chiang** (Taiwan National Univ./Taiwan)

**Shuji Shimizu** (Kyushu Univ. Hospital/Japan)

Panelists: **Dinesh Kumar Taneja** (Insti. of Liver & Biliary Sciences/India) (remote)

**Albert AU** (Hong Kong Univ./China)

**Mohamad Zahir Ahmad** (Univ. of Malaya/Malaysia)

**Aria Kekalih** (Univ. of Indonesia/Indonesia) (remote)

“The technical details are to be discussed on the technologies we have used during our activities. The discussion is planned to be interactive between panelists and audience using answer pads.”

-Presentations: (Total presentation 50min + General discussion 70min)

1. DVTS: (10min presentation /each)
  - 1) Technical consideration of using several services together  
(**Sanggyun Kim**/National Information Society Agency/Korea)
  - 2) Optimizing DVTS system in telemedicine activities  
(**Cao Duc Minh**/ VINAREN/Vietnam)
2. Vido: (10min presentation)
 

Sound problems to be solved for better performance  
(**Yasuaki Antoku**/Kyushu Univ. Hospital/Japan)
3. H323: (10min presentation)
 

“Are H323 good for multiple connections with videos?”  
(**Chakaphan Sookcharoen**/Chulalongkorn Univ./Thailand)
4. New information from Vendors: (5min presentation /each)
  - 1) Vido:  
(**Hiroshige Kusumoto**/Vido, Inc./Japan)
  - 2) H323

● 16:00-16:30

**Break**

● 16:30-18:00

**Recent topics and plans for the next year**

Chairs: **Ho-Soon Choi** (Hanyang Univ./Korea)

**Koji Okamura** (Kyushu Univ./Japan)

“Plans for the next year will be introduced with some recent topics relating with our activities in Asia-Pacific.”

-Presentations: (8min presentation + 5min Q&A /each)

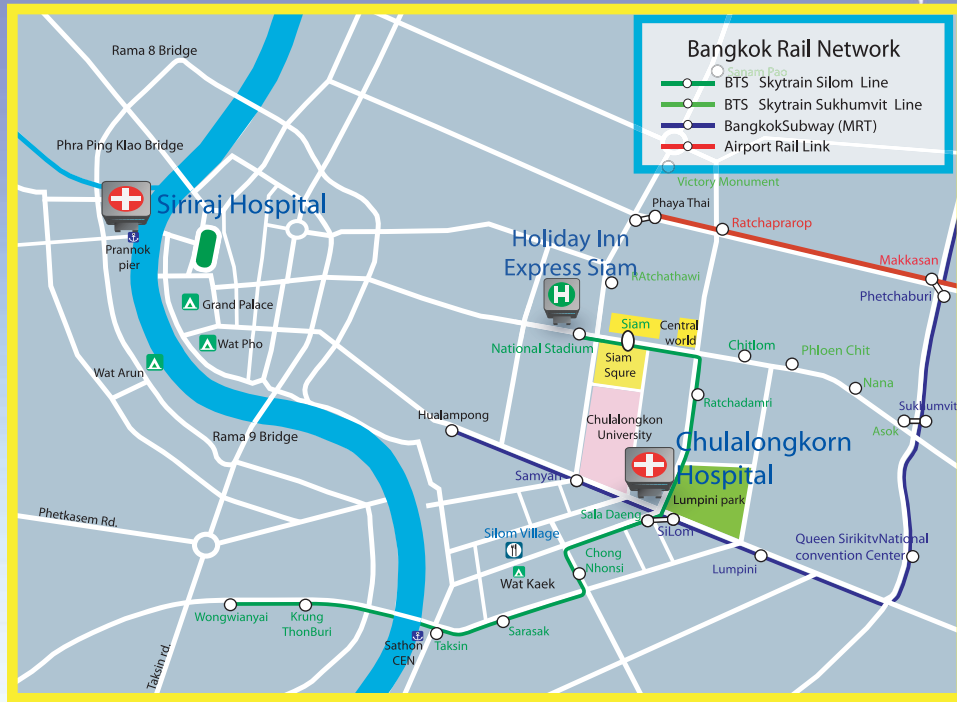
1. On-demand 4K Telemedicine E-learning System in Cloud Environment  
(**Nopphol Pausawasdi**/Mahidol Univ. Siriraj Hospital/Thailand,  
**Koji Okamura**/Kyushu Univ./Japan)
2. Let's try to Quatre software!  
(**Yasuaki Antoku**/Kyushu Univ. Hospital/Japan)
3. Med-hok: Teleconference Arrangement Database System Designed for APAN Medical Working Group  
(**Kuriko Kudo**/Kyushu Univ. Hospital/Japan) (remote)
4. Updates and future plans of telemedicine activities of KSGE (Korean Society of Gastrointestinal endoscopy)  
(**Ho-Soon Choi, Joonsoo Hahm, Myunggyu Choi**/Hanyang Univ./Oh Young Lee/KSGE/Korea)
5. Advanced Telemedicine for Preventive Healthcare Service in Bangladesh  
(**Rafiqul Islam** /Grameen Communications /Bangladesh)
6. TAGE 2014 (Thai Association of Gastrointestinal Endoscopy)  
(**Thawee Ratanachu-ek** /Rajavithi Hospital/Thailand)
7. APAN Indonesia 2014/ Asia Telemedicine Symposium 2014  
(**Yoko Noda** /Kyushu Univ. Hospital/Japan)

# ATS2013 Program

## Poster presentations (Saturday only)

1. Digitalization of Maternal and post natal care in the rural area in Indonesia by using multi-communications systems to reduce mother and children mortality rate in Indonesia (**Ahmad Faried, Agung Budi Sutiono, Tono Djuwantono**/Univ. Padjadjaran Hasan Sadikin Hospital/Indonesia, **Samudra Prasetio, Hadi Hariyanto, Sony Ari Yuniarto, Yudi Tri Jayadi, Andri Qiantori**/Research and Development Center, PT Telkom, Bandung/Indonesia, **Hirohiko Suwa, Toshizumi Ohta**/ The Univ. of Electro-Communications/Japan)
2. Teleconsultation of maternal and post natal care in the rural area in west Bandung county Indonesia by using “spontania web base multi tasking” (**Ahmad Faried, Agung Budi Sutiono, Tono Djuwantono**/Univ. Padjadjaran Hasan Sadikin Hospital/Indonesia, **Franciscus Xaverius Ari Wibowo, Deni Risnandar, Hadi Hariyanto, Sony Ari Yuniarto, Yudi Tri Jayadi, Andri Qiantori**/Research and Development Center, PT Telkom, Bandung/Indonesia, **Hirohiko Suwa, Toshizumi Ohta**/ The Univ. of Electro-Communications/Japan)
3. Results of surgical treatment liver alveococcosis in National Surgical Center, Ministries of Health of the Kyrgyz Republic (**Tilekov Ernis Abdyshevich, Chyngyshova Jamilya Amanovna**/KG, National surgical center Ministries of Health of the Kyrgyz Republic/Kyrgyzstan)

## Venue Information



### Adityadhornkitikhun Conference Hall, Siriraj Hospital

Location : 2 Wanglang Rd., Siriraj, Bangkoknoi, Bangkok  
 Direction : By BTS Skytrain Silom line, drop at Taksin station, walk to Sathon Pier, get on Chao Phraya Express boat, get off at Prannok pier and walk to Siriraj hospital



### Pattayapat Buidling, Chulalongkorn Hospital

Location : 1873 Rama 4 Rd., Pathumwan, Bangkok  
 Direction : By BTS Skytrain Silom line, drop at Saladaeng station, walk to Chulalongkorn Hospital





### The 7<sup>th</sup> Asia Telemedicine Symposium--Corrected List

<p><u>P1. 9:45-11:15 APAN Medical sessions in 2013</u>  Presentations:  5. Cardiology  <b>(Damaras Tresukosol/Mahidol Univ. Sriraj Hospital/Thailand)</b></p>	→	<i>Cancelled</i>
<p><u>P2. 13:00-15:15 Success and Failure of Telemedicine in Asia-Pacific</u>  Presentations:  1. Successes and difficulties in telemedicine at endoscopic fields with introduction about new technology  <b>(Kiyohito Tanaka/Kyoto 2<sup>nd</sup> Red Cross Hospital/Japan) (remote)</b>   10. Current status of telemedicine at University of Indonesia <b>(Aria Kekalih/Univ. of Indonesia/Indonesia)</b></p>	→	<i>Cancelled</i>
<p><u>P.2. 15:45-17:30 Global Expansion</u>  Presentations:</p>	→	<i>Added</i> 7. Teleconference experience during KPBA & SGI <b>(Dong Wan Seo/Asan Medical Center/Korea)</b> Presented remotely
<p><u>P3. 9:30-12:00 New members: Lessons learned &amp; seeking for collaborations</u>  Panelists:  <b>Patpong Navicharen</b> (Chulalongkorn Univ. Thailand)   Presentations:  5. APAN new member's experience: A Malaysian perspective <b>(Jan Jin Bong/ Sunway Hospital/Malaysia) (remote)</b>   10. Hepatic venous pressure: Tele conference cart  <b>(Manish Dutta/Institute of Liver and Biliary Sciences/India)</b>   11. UMS: Telemedicine: Issues and trends <b>(Muhammad Iftikhar, Tan Tek Song/Univ. Malaysia Sabah/ Malaysia)</b></p>	→	<i>Changed:</i> <b>Pornarong Chotiwan</b> (Chulalongkorn Univ. Thailand)  → <i>Cancelled</i>  → <i>Presented remotely</i>  → <i>Presented remotely</i>  → <i>Added</i> 5. Medical Social Informatics Framework in the Progress of Telemedicine in Bandung, Indonesia <b>(Ahmad Faried, Agung Budi Sutiono/Univ. Padjadjaran Hasan Sadikin Hospital/Indonesia)</b>
<p><u>P4. 14:00-16:00 Panel discussion: Technical reviews for the perfect quality of service (Answer Pads)</u>  Panelists:  <b>Aria Kekalih</b> (Univ. of Indonesia/Indonesia) (remote)  Presentations:  4. New information from Vendors: (5min presentation/each)  H323</p>	→	<i>Cancelled</i>  → <i>Cancelled</i>
<p><u>P4. 16:30-18:00 Recent topics and plans for the next year</u>  Presentations:  7. APAN Indonesia 2014/Asia Telemedicine Symposium 2014  <b>(Yoko Noda/Kyushu Univ. Hospital/Japan)</b></p>	→	<i>Presented remotely</i>



# The 7<sup>th</sup> Asia Telemedicine Symposium

**Dec 13** (Fri) Adityadhornkitikhun Conference Hill, Siriraj Hospital

## Opening remarks 9:00-9:15



## Success and Failure of Telemedicine in Asia-Pacific 13:00-15:15



## Keynote Speech 9:15-9:45



## APAN Medical sessions in 2013 9:45-11:15



## Global expansion 15:45-17:30



## Success and Failure of Telemedicine in Asia-Pacific 13:00-15:15



## Poster presentations Dec 14th(Sat)





# The 7<sup>th</sup> Asia Telemedicine Symposium

Dec 14 (Sat) Pattayapat Building, Chulalongkorn Hospital

## Tutorials of Vidyo system

8:30-9:30



**Hiroshige Kusumoto**  
Vidyo, Inc.  
Japan



**Keiko Tsuchiya**  
Vidyo, Inc.  
Japan

## Lessons learned & seeking for collaborations

9:30-12:00



**Ho-Seong Han**  
Seoul National Univ.  
Bundang hospital  
Korea

Chairs



**Anurudha Soni**  
G.B.Pant  
India



**Kuriko Kudo**  
Kyushu Univ. Hospital  
Japan

Chairs



**Kanat Batyrbekov**  
Research Institute of Traumatology  
and Orthopedics  
Kazakhstan



**Patpong Navicharearn**  
Chulalongkorn Hospital  
Thailand

Panel



**Wisit Kasetsermwiriya**  
Metropolitan Vajira  
Thailand



**Thawee Ratanachuek**  
Rajavithi Hospital  
Thailand

Panel



**Suphakarn Thechaphongsathorn**  
Metropolitan Vajira  
Thailand



**Junghun Lee**  
Swoal National Univ.  
Bundang Hospital  
Korea

Panel



**Satit Srimonthayamas**  
Metropolitan Vajira  
Thailand



**Harold Dios**  
Corporation Univ. for Desarrollo  
of Internet  
Mexico



**Sophon Lertsirirophon**  
Metropolitan Vajira  
Thailand



**Naoki Matsumaru**  
Gifu Univ.  
Japan



**Amarit Talsawet**  
Metropolitan Vajira  
Thailand



**Cheng-Peng Li**  
Peking Cancer Center  
China



**Taya Kittiyakara**  
Ramathibodi Hospital  
Thailand



**Eric Yang**  
J&J Training Center  
China



**Manish Dutta**  
Institute of Liver and Biliary Sciences  
India



**Jan Jin Bong**  
Sunway Hospital  
Malaysia



**Muhammad Iftikhar**  
Tan Tek Song/ Univ. Malaysia Sabah  
Malaysia

## Panel Discussiion

14:00-16:00



**Ti-Chuang Chiang**  
Taiwan National Univ.  
Taiwan

Chairs



**Sanggyun Kim**  
National Information Society  
Agency  
Korea



**Shuji Shimizu**  
Kyushu Univ. Hospital  
Japan

Chairs



**Cao Duc Minh**  
VINAREN  
Vietnam



**Dinesh Kumar Taneja**  
Insti. of Liver & Biliary Sciences  
India

Panel



**Yasuaki Antoku**  
Kyushu Univ. Hospital  
Japan



**Albert AU**  
Hong Kong Univ.  
China

Panel



**Chakaphan Sookcharoen**  
Chulalongkorn Univ.  
Thailand



**Mohamad Zahir Ahmad**  
Univ. of Malaya  
Malaysia

Panel



**Hiroshige Kusumoto**  
Vidyo, Inc.  
Japan



**Aria Kekalih**  
Univ. of Indonesia  
Indonesia

Panel

## Recent topics and plans for the next year

16.30-18.00



**Ho-Soon Choi**  
Hanyang Univ.  
Korea

Chairs



**Kuriko Kudo**  
Kyushu Univ. Hospital  
Japan



**Koji Okamura**  
Kyushu Univ.  
Japan

Chairs



**Rafiqul Islam**  
Grameen Communications  
Bangladesh



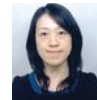
**Nopphol Pausawasdi**  
Mahidol Univ. Siriraj Hospital  
Thailand



**Thawee Ratanachuek**  
Rajavithi Hospital  
Thailand



**Yasuaki Antoku**  
Kyushu Univ. Hospital  
Japan



**Yoko Noda**  
Kyushu Univ. Hospital  
Japan

## The 7th Asia Telemedicine Symposium Report

The 7th Asia Telemedicine Symposium was held on December 13th and 14th in Bangkok, Thailand. This was the first time the symposium was held in Southeast Asia. There were 75 participants from 25 countries, including 55 attending in person and 20 joining remotely. Although there were initial concerns about the recent clashes between anti-government protesters and the police in Thailand, we found that there was no need for concern, and the secretariat of organizing committee in Thailand gave us a warm welcome.

In my view, the purpose of this symposium was to share updated information on knowledge, experiences, and activities from different medical and engineering fields in various countries and to make adaptations based on these updates. It was also important for participants to interact with people in different positions or occupations with similar interests or problems. In addition to the fascinating presentations, the hospital tours and evening receptions at Siriraj Hospital and Chulalongkorn Hospital were attended by many. It was an excellent occasion to get to know one another and to learn about each other's cultures and backgrounds. The ties formed among the wide range of people in attendance have created tremendous opportunities around the topic of telemedicine.

Last but not least, I would like to express my sincere appreciation to everyone involved in the symposium and especially to the Thai organizers. I hope to see you all again next year in Fukuoka, Japan. (Saho Miyazaki)



The assembled participants



The hospital tour group at Siriraj Medical Museum