



## MYREN Medical Talk

### “Collaborative Medical thru ICT”

Date: 14<sup>th</sup> December 2011

Time: 830am – 12 noon

Venue: Endoscopy Unit Conference Room, 4th. Floor,  
Menara Timur, Pusat Perubatan Universiti Malaya

---

Malaysian Research & Education Network (MYREN) closely engages with the international Research & Education partners and industry players to gather best practices understanding and the evolution strategies of Research & Education Network (REN) covering the infrastructure and services aspects in order to meet future technological requirements.

Alongside University Malaya Medical Centre’s Dr Salem Omar, it is our intention of this technical series to provide learning opportunities for users to understand and interact with experts on technological issues related to their respective fields of expert.

MYREN engages in ample of tele-medicine meetings, conferences, and surgeries. As such, MYREN would like to promote the facilities offered over MYREN for the Medical group to take advantage of.

Medical Working Group is one of the leading research areas in Asia Pacific Advance Network (APAN). APAN is a non-profit international consortium established on 3 June 1997. APAN is designed to be a high-performance network for research and development on advanced next generation applications and services. APAN provides an advanced networking environment for the research and education community in the Asia-Pacific region, and promotes global collaboration in various Working Groups - Medical, HDTV, E-Science, Agriculture, SIP, Network Research, E-Culture, Middleware, Security and few more. APAN holds meetings, workshops, and conferences. Apart from this, APAN also arranges and organizes education and training workshops of various fields.

MYREN has plans of incorporating more medical related activities for the usage of the community. As such, this talk would provide a wider perspective to members in the medical field on the benefits of MYREN. Speakers will range from Medical field that have used these huge network for the purpose of medical and those involved in promoting tele-health. Members who attend this talk would gain a better understanding of the technology and how to use it through MYREN.

Organizing the talk would attract various classes of participants from the university, lecturers, researchers, IT personnel, and students. In other words this is considered an indirect marketing to increase the awareness on MYREN. Activities such as this would also allow MYREN to demonstrate its capability and advantages by promoting its benefits.

## Workshop Goals:

The expected outcome of this technical talk is to bring together and promote collaborative research amongst the MYREN research community in particular, the medical community to make benefit of MYREN for their research work.

This workshop aims to share the best practice and experience of experts from the medical research community by:

- a. Creating awareness to the community on Medical Technology & Applications
- b. Building a platform for knowledge sharing between the medical partners and the research community
- c. Providing an avenue for people networking amongst medical community

## Workshop Speakers:

*Speaker 1: Dr Shuji Shimizu, Associate Professor & Deputy Director of Telemedicine Development Center of Asia, Kyushu University, Japan*

Dr. Shuji Shimizu, M.D. Ph.D. is surgeon, majoring in endoscopic surgery, which is sometimes called “keyhole operation” and is patient-friendly. But currently Dr Shimizu works more in the project of telemedicine which started between Korea-Japan in 2002. This project is now wide-spread in Asia-Pacific regions and is extending into Europe and USA. Dr. Shimizu is Associate Professor of Department of Endoscopic Diagnostics and Therapeutics and Deputy Director of Telemedicine Development Center of Asia at Kyushu University, Fukuoka, Japan. Dr Shimizu is currently co-chairperson of medical working group of APAN (Asia Pacific Advanced Network), and an executive committee member of International Association of Surgeons, Gastroenterologists, and Oncologists, serving as chairman of telemedicine to connect worldwide centers of continuous medical education.

Dr Shimizu received his Ph.D. in Medicine from Kyushu University, Japan and commenced his academic appointments in 1995 at Kyushu University Hospital. He was honored 3<sup>rd</sup> prize in Chicago Gastrointestinal Research Competition in Chicago, Illinois in 1988 and in 2008 he won the International communications Award National Inst. of Information & Communications Tech, Japan Gigabit Network

He has numerous publications and has given a myriad of presentations in international meetings. He's one of the key personnel for the REN's Medical Working Group with several participations in MYREN tele-medicine events.

***Speaker 2: Dr Ho Shiao Hooi, University Malaya Medical Centre (UMMC)***

Dr. Ho Shiao Hooi is a Senior Lecturer in the Department of Medicine, University of Malaya. Dr. Ho graduated from University of Science in Malaysia in 2001. He then went on to train in internal medicine and obtained a Master's Degree in Internal Medicine from University of Malaya in 2009. He is currently working in the Gastroenterology and Hepatology Unit under Professor Dato' Dr. K.L. Goh in University of Malaya Medical Centre (UMMC). Dr. Ho has a keen interest in GI therapeutic endoscopy and image-enhanced endoscopy. He received the JSGE (Japanese Society of Gastroenterology) Research Fellowship Award in 2010 and underwent training in the National Center for Global Health and Medicine in Tokyo under Dr. Takuji Gotoda. He is one of the key coordinators in setting up telemedicine in UMMC which has been actively participating in teleconferences organized by the APAN medical group over the last few years.

***Speaker 3: Mr Zahir Ahmad, Nadi IT, UMMC***

Mohamad Zahir Ahmad is a Senior Information Technology Officer, managing the Network and IT Infrastructure for the University Malaya Medical Center. Actively involved in Teleconferencing for the University Malaya from 2010 and become the coordinator for Teleconferencing activity for the University of Malaya. He led a Telemedicine team to assist the surgeon, gastroenterologist, oncologist and doctors to plan, manage and coordinate the Teleconferencing activities.

***Speaker 4: Kamal Hisham Kamaruddin, MYREN Network Operation Manager***

Graduated from Sheffield Hallam University, UK in Bachelor of Computing (Networks & Communications), Kamal Hisham Kamaruddin is currently the MYREN Network Operation Manager. He is responsible for the running of MYREN activities and technical administration. His areas of interest are Network Engineering specifically on ISP level routing, IPv6 multicast/unicast routing, and Open Source network management tools.

Since joining MYREN, he has been going around the research & education community in Malaysia to advise them on optimizing their network infrastructure setup specifically in the multi-homing environment. To date, he has assisted Multimedia University (MMU), University Putra Malaysia (UPM), University Science Malaysia (USM), Monash University Malaysia, Telekom Malaysia Research & Development Sdn Bhd (TMRnD), University Malaysia Sarawak (UNIMAS), University

Malaya (UM) and University Teknologi Petronas (UTP) in consultation as well as actual technical implementation.

He is also the lead technical coordinator with APNIC and TEIN3 for MYREN routing and security issues. He was previously with VADS Berhad, a subsidiary of Telekom Malaysia looking after managed WAN services for financial corporation such as CIMB, AIA, Hong Leong Bank, Maybank, and RHB Bank. Prior to managing financial corporation, he is responsible for Frame-Relay and x.25 network for oil and gas industry such as ExxonMobil and Caltex.

Currently, he's heading the technical team towards MYREN's Phase 2B network implementation, after having successfully implemented MYREN Phase 2 and 2A which will oversee more members and advance services taking place.

**Programme:**

- 8.30am Registration
- 9.00am Welcome Remarks  
Dr Salem Omar
- 9.10am **Session 1:** Introduction APAN-Working Group Activities (via VC)  
Dr Shizu Shimizu, Kyushu University, Japan
- 9.50am **Session 2:** Medical Applications  
Dr Ho Shiaw Hooi, UMMC
- 10.30am Coffee break
- 11.00am **Session 3:** Telemedicine Setup: UMMC's Experience  
Mr. Zahir Ahmad, Nadi IT, UMMC
- 11.40am **Session 4:** Integrating Medical on MYREN thru ICT  
Kamal Hisham Kamaruddin, MYREN
- 12.20pm Souvenir Presentation
- 12.30pm Lunch