

Report on the Distinguished Lecture Tours (DLTs)

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(Reported by IEEE Asia Pacific Regional Headquarters – as of **2 May 2012**)

There were three Distinguished Lecture Tour (DLT) programs approved by IEEE ComSoc for 2012 as of today. Two of them were already completed early this year; there were Dr. Stefan Parkvall's DLT in Malaysia and Dr. Koichi Asatani's DLT in India. The other DLT by Dr. Falko Dressler will be conducted in August this year in India.

We realized the requests from chapters as well as from the distinguished lecturers are very much overwhelming this year. Currently, there are 8 DLTs in planning stages. This is indeed a great milestone for our DLT program in Asia Pacific Region.

2011 AP DLT #5: 8 – 11 November 2011

Lecturer: Victor Leung

Hosting Chapter	2011 Chapter Chairs
Malaysia ComSoc Chapter	Sieh Kiong Tiong
Singapore ComSoc Chapter	Cheng Tee Hiang



Prof. Victor Leung gave his technical presentations at the following locations:-

- 1. Selangor, Malaysia – 9 November 2011 (Wednesday)**
Venue: Universiti Kebangsaan Malaysia
Topic: "Service and Network Convergence in Next Generation Networks"
- 2. Penang, Malaysia – 10 November 2011 (Thursday)**
Venue: Universiti Sains Malaysia
Topic: "Networking of Automobiles – Applications, Challenges and Some Recent Results"
- 3. Singapore – 11 November 2011 (Friday)**
Venue: Nanyang Technological University
Topic: "Networking of Automobiles – Applications, Challenges and Some Recent Results"

Summary of Singapore ComSoc Chapter's Report

*The IEEE Communications Society Distinguished Lecturer Seminar entitled "Networking of Vehicles - Applications, Challenges and Some Recent Results" by Prof. Victor C. M. Leung was held on 11 November 2011 from 1:30 pm at the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore. The presentation of Prof. Leung had lasted for around one and a half hours and the seminar ended at 3:00 pm after the question and answer session. There were over 50 audience participated in the seminar. They were faculties, researchers, and students coming from School of Electrical and Electronic Engineering, School of Computer Engineering, as well as School of Civil and Environmental Engineering of Nanyang Technological University, Department of Electrical and Computer Engineering of National University of Singapore, Singapore Institute of Manufacturing Technology (SIMTech) as well as Institute for Infocomm Research (I²R) of Agency for Science, Technology and Research (A*STAR), Defence Science and Technology Agency (DSTA), and a number of schools and institutes. During the seminar, Prof. Leung had described several applications that leverage the wireless communications to put vehicles in the loop. Different applicants imposed different requirements on the wireless network for data routing, transfer latency, etc. were introduced. The lecturer also reviewed the technical challenges that needed to be overcome to meet some of these requirements, and described solutions developed in the recent research to meet these challenges. The seminar was well relevant to the DLT topic and the lecturer had delivered a clear and inspiring presentation. The audience feedback and participation were good during the question and answer session and Prof. Leung was able to well answer to the audience. The Distinguished Lecturer Seminar by Prof. Victor C. M. Leung had come to a successful conclusion and the feedback from the audience showed that the seminar was very well organized.*

Written by Prof. Chow Kin Kee, Singapore ComSoc Chapter

Summary of Malaysia ComSoc Chapter's Report

- Audience Size / Mix of students or industry

The size of the audience is about 30 consisting of research students and some lecturers (senior lecturers & associate professors). There were some other prospective participants from the industry who wanted to attend but could not do so due to other engagements.

- Audience Participation / Response / Feedback

Participation was extremely good. There were many questions posed after the talk from the research students and even lecturers.

- Relevance of the DLT topic

A highly relevant topic. There are 3 lecturers who have research students performing research in that topic at the CS school. The talk has also triggered some good discussions from other research disciplines/lecturers (mathematics and data mining) for potential research collaborations

- Comment on the lecturer

Prof C.M. Leung is an experienced and knowledgeable speaker. He is able to present his topic with extremely good understanding. A pleasant and friendly character.



Written by Azizul Rahman Mohd Shariff

2012 AP DLT #1: 13 – 17 February 2012

Lecturer: Stefan Parkvall

Hosting Chapter	2011 Chapter Chairs
Malaysia ComSoc Chapter	Sieh Kiong Tiong



Dr. Stefan Parkvall delivered his lecture topic on “LTE-Advanced and Beyond – Future Radio Access” to the following venues:

1. Kuala Lumpur, Malaysia – 14 February 2012 (Tuesday)

Venue: MIMOS Berhad, Technology Park Malaysia

2. Johor Bahru, Malaysia – 15 February 2012 (Wednesday)

Venue: Universiti Teknologi Malaysia (UTM) - Skudai, Johor

3. Perlis, Malaysia – 16 February 2012 (Thursday)

Venue: Universiti Malaysia Perlis (UniMAP) - Kangar

Summary Report from Dr. Stefan Parkvall

During the period of February 13 to 17 I was on a Distinguished Lecture Tour in Malaysia, giving in total four lectures on “LTE-Advanced and Beyond – Future Radio Access”. After arriving from Stockholm on February 13, lectures were held in the following four locations:

- *MIMOS, Kuala Lumpur, February 14*
- *UTM, Johor Bahru, February 15*
- *UniMAP, Perlis, February 16*
- *MCMC, Kuala Lumpur, February 17*

I returned to Stockholm in the evening of February 17 after exploring the city of Kuala Lumpur for a few hours.

In general it was a very nice lecture tour attracting a lot of interest from the audience. The local arrangements were flawless, whenever I arrived at a new location there was someone there to pick me up. Thanks to Dr Nordin Ramli and all the local hosts for all their work with the lecture tour!

MIMOS, Kuala Lumpur

The visit was hosted by Dr Nordin Ramli who met me at the airport when I arrived on February 13. In the evening I had a nice dinner together with the board members of IEEE ComSoc/VTS in Malaysia (there is a joint Com-VTS chapter in Malaysia) with discussions ranging from research topics to general aspects of life in Malaysia.

The lecture on February 14 was hosted by MIMOS in Kuala Lumpur. MIMOS is a research agency trying to bridge the gap between academic research at universities and industry. Around 100 persons, both from MIMOS and outside MIMOS, attended the 1.5 hour lecture and there were good discussions afterwards.

I had lunch together with some of the board members before I was taken to the airport for my evening flight to Johor Bahru.

Thanks to Dr Nordin Ramli for a very good arrangement.

UTM, Johor Bahru

University of Technology Malaysia is the largest technical university in Malaysia. The main campus is in Johor Bahru in the southern part of Malaysia, close to the border to Singapore. Professor Tharek hosted the visit, introduced the research in wireless communication conducted at his department. He also arranged a discussion with the graduate students on various research problems in before my lecture.

Around 50 persons, primarily from UTM, attended the lecture. There was a great interest in the topic from the audience judging from the large number of relevant questions and discussions which followed the lecture.

After having lunch with Prof Tharek I was taken to the airport to fly to Alor Setar (Perlis). Thanks to Prof Tharek and Dr Ramlee for very good arrangements.

UniMAP, Perlis

UniMAP is a university in the state of Perlis, close to the border to Thailand. Around 50 persons attended the lecture, which included several questions. After a nice lunch together with faculty members of UniMAP, a more detailed technical discussion on LTE and wireless communication with some of the the graduate students took place.

Thanks to Dr Abdul Hafizh Ismail and all others at UniMAP for the very good arrangements.

MCMC, Kuala Lumpur

The final lecture on the tour was hosted by MCMC, the regulatory body in Malaysia. Almost 200 persons attended my lecture. There was a large number of questions and discussions on LTE and wireless communication in general afterwards (Malaysia is launching LTE in 2013). The discussions continued over lunch with the directors of MCMC.

Thanks to everyone at MCMC for inviting me and arranging the lecture.

Written by Dr. Stefan Parkvall

2012 AP DLT #2: 21 January – 1 February 2012

Lecturer: Koichi Asatani

Hosting Chapter	2011 Chapter Chairs
Bombay ComSoc Chapter	Raju Wadalkar
Pune ComSoc Chapter	Avinash Joshi
Hyderabad ComSoc Chapter	Deerga Rao Korrai
Bangalore ComSoc Chapter	Subir Saha
Kerala ComSoc Chapter	Sasi P M



The topic of “Trends in Next Generation Network (NGN) and its Issues” was presented by Dr Koichi Asatani at the following locations:-

1. **Bombay – 23 January 2012 (Monday)**
Venue: Tech Mahindra Ltd.
2. **Pune – 24 & 25 January 2012 (Tuesday & Wednesday)**
Venue: College of Engineering
Venue: Pune Institute of Computer Technology
3. **Hyderabad – 27 January 2012 (Friday)**
Venue: Indian Institute of Technology & International Institute of Information Technology
4. **Bangalore – 30 January 2012 (Monday)**
Venue: Indian Institute of Science
5. **Kerala – 31 January 2012 (Tuesday)**
Venue: Centre for Development of Advanced Computing

Summary of Hyderabad ComSoc Chapter’s Report

A DL tour of Dr. Koichi Asatani, Kogakuin University, Japan, was held in India during January 2012. Dr. Asatani’s lectures on ‘Trends in NGN and Its Issues’ in Hyderabad were organized by the Communications and Signal Processing Societies Joint Chapter of the IEEE Hyderabad Section at two places within Hyderabad, and his accommodation and travel within Hyderabad were arranged by Hyderabad chapter. The lecture at the Indian Institute of Technology, Yeddumailaram, Hyderabad was held on 27 January 2012 from 9.00 a.m. to 10.30am. The audience for this lecture were 36 (thirty six) including students, Research scholars, and faculty from colleges. The lecture at the International Institute of Information Technology, Gachibowli, Hyderabad was held on 27 January 2012 from 3.30 p.m. to 5.00pm. The audience for this lecture were 41 (forty one) including students, Research scholars, and faculty from colleges.

During his lectures at the two places, Dr. Asatani has mentioned that Next Generation Network (NGN) is designed to be capable of QoS management and controls like in legacy telecommunication networks and to support economical, versatile multi-media applications like those on the current Internet. NGN also provides fixed-mobile convergence (FMC) with generalized mobility, and horizontal and vertical roaming as well as improved security. He has described the concepts and architecture of the Next Generation Networks (NGN) saying that NGN voice and Internet services are attractive from the view points of service flexibility and cost effectiveness and the capability of integrating third-party applications with high dependability and security. He has touched upon the current status of NGN implementation in a commercial offer by NTT (Nippon Telegraph and Telephone Corporation) . Further,

Dr. Asatani has described the issues such as technical key issues, and global standards. for the global evolution of NGN. Dr. Asatani has well answered the queries from the participants of both the places. In feedback for lectures at both the places, the participants have expressed satisfaction with the event organization and appreciated the lectures saying very informative and useful.



Prof. Koichi Asatani during his lecture at IIIT, Gachibowli, Hyderabad

Written by Prof. Deergha Rao Korrai, Chair of the Communications and Signal Processing Societies Joint Chapter, IEEE Hyderabad Section

Summary of Kerala ComSoc Chapter's Report

IEEE Communications Society, Kerala chapter, organized a Distinguished Lecture programme on the topic "Next Generation Networks" on 31st January, 2012 at the Centre for Development of Advanced Computing (C-DAC) campus, Trivandrum, Kerala, India. The invited speaker was Dr. Asatani Koichi, IEEE Fellow & Dean, Department of Computer Science and Communications Engineering, Kogakuin University, Japan. Mr.Sasi P.M, Chairman, IEEE Communications Society, Kerala chapter welcomed the gathering and introduced the speaker. He also briefed talked about the appropriateness of the selected theme of the technical talk in the current telecommunication scenario.

The distinguished speaker gave an introductory overview of the major ICT enabled developmental activities with the aid of vital statistics triggering the need for sophisticated data networking infrastructure at the global level. He opined that the combined interplay of the telephone, the internet and the broadcasting scenarios have accelerated the growth of ubiquitous broadband proliferation. Dr. Asatani Koichi explained the significance of Next Generation Network (NGN) in offering enhanced reliability and safety services for legacy telecommunication networks and in the support of economical, versatile multi-media applications on the internet space.

The speaker made the critical observation that NGN voice and Internet services are attractive from the view points of service flexibility and cost effectiveness and also for its capability in integrating third-party

applications with high dependability and high security. He also remarked that NGN paves way for fixed-mobile convergence (FMC) with generalized mobility and roaming with improved security features. According to him, this convergence will prove to be beneficial for worldwide network operators, opening up new business development opportunities in the market.

The speaker highlighted the principles of NGN and the configurational characteristics of intelligent network systems. Concepts and the architecture of the Next Generation Networks (NGN) were also explained. Comparative evaluation of competing technologies with respect to the specific domains of telecom and internet were made. Technical and commercial issues arising from the global evolution of NGN, especially relating to global standards and regulations, were also discussed at length.

The event witnessed an enthusiastic participation of about 85 delegates from both academia and Industry. An open discussion forum was facilitated after the talk for speaker-audience interaction. The participants expressed their gratitude to the speaker for rendering an educative talk and expressed their continued interest in participating in technical talks of Comsoc. The distinguished speaker had an exclusive interactive session with a large group of IEEE student volunteers at the venue and appreciated their active role in IEEE events. The overall feedback from the participants was highly positive.

In the valedictory session a memento was presented to Dr. Asatani, as a mark of respect and gratitude, by Mr. Simon Zachariah, Senior Director at the Centre for Development of Advanced Computing (C-DAC), Trivandrum. The session came to an end with the proposal of Vote of Thanks was proposed by Mr. Pradeep Balachandran, Secretary, IEEE Communications Society, Kerala Chapter.



Dr. Asatani Koichi delivering the talk



Cross-Section of the audience attending the talk

Written by Pradeep Balachandran, Secretary of IEEE Kerala Comsoc Chapter

Summary Report from Dr. Koichi Asatani

Audience Participation

In general, audience was very active. In particular, at Mumbai, Internet Q&A session over one hour following my lecture was very active. I and Mr. Raju Wadalkar responded to more than 40 - 50 questions through the chat channel.

Organization Process

Organization was very good in general.

Hospitality

Hospitality was great. All hosts kindly arranged many things for visiting nice places and arranged great dinners. In particular, at Mumbai Mr. Raju Wadakar kindly arranged a car to take us to the several points of interest on Sunday. Also, in Bengaluru, the graduate student and research assistant of Prof. Srinivas took care of us for visiting interesting places such as the flower garden and palaces. This is our very first visit to India, which is quite memorable trip.

Acknowledgements

I would like to sincerely thank all chapter hosts and all chapter members who kindly invited my DLT, arranged and assisted the great tour. I also thank to Ms. Ewell Tan who very kindly coordinated my DLT. With her assistance in many ways, my DLT was very successfully and memorably finished.

Written by Dr. Koichi Asatani

2012 AP DLT #3: 4 – 14 August 2012

Lecturer: Falko Dressler

Hosting Chapter	2012 Chapter Chairs
Pune ComSoc Chapter	Mandar Khurjekar
Hyderabad ComSoc Chapter	Deergha Rao Korrai
Bangalore ComSoc Chapter	Subir Saha
Kerala ComSoc Chapter	Sasi P M



Dr. Falko Dressler will be giving his technical presentations at the following locations:-

1. Pune – 7 August 2012 (Tuesday)

Topic: “Biologically-inspired and Nano-scale Communication and Networking” and
“Protocol Engineering for Vehicular Communications”

2. **Hyderabad – 9 August 2012 (Thursday)**
Topic: “Biologically-inspired and Nano-scale Communication and Networking” and
“Protocol Engineering for Vehicular Communications”
 3. **Bangalore – 10 August 2012 (Friday)**
Topic: “Protocol Engineering for Vehicular Communications”
 4. **Kerala – 11 August 2012 (Saturday)**
Topic: “Biologically-inspired and Nano-scale Communication and Networking”
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We would like to express our gratitude to Dr. Stefan Parkvall and Dr. Koichi Asatani for conducting their DLT in our region early this year. This was a good start for the beginning of 2012 and we are expecting to complete at least another 4 DLTs by 2012.

This year, there are quite a number of interests for hosting and conducting DLTs in our region. In the first quarter of the year, we have already received 9 DLT requests either from the AP Chapters or from the distinguished lecturers. The responses are pretty overwhelming. Generally, Chapters in India and Malaysia are the most active chapters engaging in the DLT programs.

Existing and potential members are very fortunate as they would have the opportunity to gain technical knowledge and networking with the distinguished lecturers who are coming from diverse technical background and culture.

Last but not least, we would like to thank all the AP Chapters for the hospitality extended to the ComSoc Distinguished Lecturers. We would also like to thank all the distinguished lecturers for sharing their technical knowledge and valuable experiences with our members in Asia Pacific Region. We look forward to share news on more exciting distinguished lecture tours in our Region later this year!
