

## Report on the Distinguished Lecture Tours (DLTs)

Report on Distinguished Lecture Tours (DLTs)  
(Reported by IEEE Asia Pacific Regional Headquarters – as of **31 October 2013**)

This year, 7 DLTs were approved by IEEE ComSoc for Asia Pacific region and we are very pleased that all these DLTs were successfully held.

In this report, we continue the DLT summary reports from the last issue of AP Newsletter.

---

### 2013 AP DLT #2: Scheduled Plan 27 April – 4 May 2013

#### Lecturer: Zhisheng Niu

Hosting Chapter	2013 Chapter Chairs
Malaysia ComSoc Chapter	Nordin Ramli
Thailand ComSoc Chapter	Kamol Kaemarungsi



Prof. Zhisheng Niu conducted his lectures at the following locations:-

**1. Malaysia – 29 April 2013 (Monday)**

Venue: Telekom Malaysia R&D, Malaysia

Topic: Radio Resource Management in Next Generation Hierarchical Cellular Wireless Networks

**2. Malaysia – 30 April 2013 (Tuesday)**

Venue: Universiti Kebangsaan Malaysia, Selangor

Topic: How much energy can be traded off by how long delay in GREEN communications.

**3. Thailand – 3 May 2013 (Friday)**

#### *Summary report from Prof. Zhisheng Niu*

*During 27 April – 4 May, 2013, I conducted my second IEEE Distinguished Lecture Tour (DLT) to Malaysia and Thailand in my term. My first DLT was to United Kingdom (Edinburgh, Sheffield, and Surrey) from 19 Sep. to 26 Sep., 2012. During my term, I have also delivered two invited talks at Tohoku University (24 Aug., 2012) and NTT Labs (27 Aug., 2012), Japan, as a part of IEEE Distinguished Speaker Program.*

*During my stay in Malaysia, I was invited to deliver the following three lectures (one in an operator, one in a university, and one in a governmental agent):*

***Talk #1: How much energy can be traded off by how long delay in GREEN communications.***

*Time : 10.00AM – 12.30PM, 29th April 2013 (Monday)*

*Venue : Seminar Room, TM R&D, TM Innovation Center, Cyberjaya, Selangor, Malaysia*

***Talk #2: Rethinking about the Cellular Networks: A Novel Hyper-Cellular Architecture for Green and Smart ICT***

*Time : 10.00AM – 12.30PM, 30th April 2013 (Tuesday)*

*Venue : Main Meeting Room (Bilik Mesyuarat Utama ), Fakulti Kejuruteraan & Alam Bina (FKAB),  
Universiti Kebangsaan Malaysia, Bandar Baru Bangi, Selangor, Malaysia*

**Title #3: Rethinking about the Cellular Networks: A Novel Hyper-Cellular Architecture for Green and Smart ICT (additional)**

*Time : 3.00PM – 5.00PM, 30th April 2013 (Tuesday)*

*Venue: Seminar Room 1, MIMOS Berhad, Malaysia*

*The lectures were very well received under the kind arrangement by Dr. Nordin Ramli, IEEE ComSoc/VTS Malaysia Joint Chapter Chair. Specifically, more than 35 faculties and students attended the lecture at UKM (see Picture 1) and I got nearly 10 questions from the audience. Thanks for this tour, I was also invited to visit Malaysia again in November to deliver a keynote speech at 2013 Malaysia International Conference on Communications (MICC'13).*

*During my stay in Thailand, under the kind arrangement by Dr.Kamol Kaemarungsi (IEEE ComSoc Thailand Chapter Chair), I delivered two lectures at a local university and a governmental agent:*

**Talk #4: 5G: A Paradigm Shift of Cellular Networks (additional)**

*Time : 16:00 – 17:30, 2nd May, 2013 (Thursday)*

*Venue : Lecture Room, Electrical Engineering Department, Chulalongkorn University, Bangkok,  
Thailand*

**Title #5: How much energy can be traded off by how long delay in GREEN communications?**

*Time : 9:00 – 12:00, 3rd May, 2013 (Friday)*

*Venue: Room M120, 1st floor MTEC Building, Thailand Science Park, Pathumthani, Thailand*

*Both the two lectures were well received with nearly 60 audiences in total. The lecture at Thailand Science Park also attracted many audiences from outside of Bangkok and some of them even took a flight to this lecture (see Picture 2). After the lecture, I visited the office of the Embedded System Technology Laboratory and also the Optical Quantum Cryptography (OQC) Laboratory of the National Electronics and Computer Technology Center (NECTEC).*



Picture 1: Dr. Niu's IEEE Distinguished Lecture at Universiti Kebangsaan Malaysia (UKM), Malaysia, 30 April, 2013

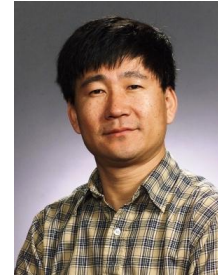


Picture 2: Dr. Niu's IEEE Distinguished Lecture at National Electronics and Computer Technology Center (NECTEC), Thailand Science Park, Thailand, 3 May, 2013

**2013 AP DLT #3: 16 – 26 May 2013**

**Lecturer: Michael Fang**

Hosting Chapter	2013 Chapter Chairs
Shenzhen ComSoc Chapter	Qinyu Zhang
Shanghai ComSoc Chapter	Xinwan Li
Beijing ComSoc Chapter	Xiaofeng Tao



Dr. Michael Fang delivered his technical presentations at the following venues:

- 1. Shenzhen – 17 or 18 May 2013 (Friday or Saturday)**
- 2. Shanghai – 20 May 2013 (Monday)**  
Venue 1: Shanghai Jiaotong University (at Minghang Campus)  
Topic 1: Capacity in Multirate and Multihop Wireless Networks.  
**Shanghai – 21 May 2013 (Tuesday)**  
Venue 2: Shanghai Research Center for Wireless Communications  
Topic 2: Small World Phenomena in Wireless Ad Hoc Networks
- 3. Beijing – 24 May 2013 (Friday)**  
Venue 1: Beijing University of Posts & Telecommunications (BUPT)  
Topic 1: Secure Network Performance for Large-Scale Wireless Ad Hoc Networks  
  
Venue 2: Chinese Academy of Science (CAS)  
Topic 2: A Novel Architecture for Cognitive Radio Network

***Summary Report from Dr. Michael Fang***

*On May 16, 2013, I embarked on the journey to the east. Unfortunately, my flight was severely delayed from Atlanta to Tokyo, I had to stay in Tokyo for one night and missed my first lecture in Shenzhen. So, I spent my weekend with some IEEE ComSoc members at Shenzhen Institute of Advanced Technologies (SIAT) and assured them that I would make it up at later time.*

*On May 19, I flew to my second tour stop Shanghai. My host Dr. Xinwan Li, the Chair of IEEE ComSoc Shanghai Chapter and Professor in the Department of Electronic Engineering at Shanghai Jiao Tong University (SJTU), picked me up at the airport and treated me with a very nice dinner. My co-host, Dr. Xinbin Wang, a professor in the Institute of Wireless Communication and Technology (IWCT) and the Department of Electronic Engineering at Shanghai Jiao Tong University, introduced me and offered the*

opening remarks about the IEEE activities and the lecture. The lecture was well attended with over 40 people.



(From right to left) Xinwan Li, Yuguang Fang, Xinbin Wang, Cailian Chen, Haojin Zhu and Xiaohua Tian

On May 21, I delivered my second scheduled lecture at the Shanghai Research Center for Wireless Communications (SHRCWC), Chinese Academy of Sciences (CAS), a research center jointly organized by CAS, Shanghai city government, university partners and industrial participants, investigating innovative technologies for next generation wireless communications. Dr. Yang Yang, the Center director, hosted my lecture.



(From right to left) Hua Qian (SHRCWC), Xinwan Li (SJTU), Yuguang Fang, Yang Yang (SHRCWC) and Xiaohu Ge (Huazhong University of Science and Technology)

May 24 was a busy day for me. In the morning, I delivered my scheduled lecture at Beijing University of Posts and Telecommunications (BUPT). I gave a talk here in last year's DLT. This time, Mr. Han Jiang and Mr. Waheed ur Rehman, members of the research team of Dr. Xiaofeng Tao, the Chair of IEEE ComSoc Beijing Chapter, made all arrangements. The lecture was well attended with attendance of over 40 people and with many interesting questions, which took more than two and a half hours to complete this lecture. The most satisfying thing I had received from this lecture was a message from Dr. Tianbo Lu, an associate professor at BUPT, who expressed his appreciation. In this message, he said, "(You) delivered the lecture, standing, for two and a half hours, yes, very passionate two and a half hours! I was deeply moved. From you, I observed the charm of a professor who showed his great passion for doing research! There are many things I can learn from you on how to conduct oneself in society, how to do business, and how to carry out scholarly work." It is really nice to see that whatever I have been doing could benefit our community for the greater good.

To make up my missed lecture in IEEE ComSoc Shenzhen chapter, I returned to Shenzhen and delivered my final scheduled lecture entitled "How to Effectively Utilize the Harvested Resource in Cognitive Radio

*Networks” (a revised title for “A Novel Architecture for Cognitive Radio Networks”). Dr. Xiaoxia Huang, my local host and my former Ph.D. student, presided my lecture. She is currently the Deputy Director of the Center for Real-time Monitoring and Communications Technology at SIAT. Since her team’s research interest was on cognitive radio networks as well, we had great discussion during this lecture, from which I had benefited greatly.*

*My last stop in Asia (not on the scheduled list of this tour) was Sendai, Japan. When Dr. Nei Kato, the Chair of IEEE ComSoc Sendai Chapter and a Professor with the Graduate School of Information Sciences at Tohoku University, Sendai, Japan, heard my DLT to Asia, he urged me to visit his Chapter. So, on May 25, I flew to Japan and re-routed my return trip to Sendai. On June 28, I delivered my final lecture for this DLT with title “Cloud-assisted Mobile Health Systems: Security and Privacy”. Kato Sensi’s research group had also tremendous research experience on mobile healthcare and we had intensive discussions on the topic during my visit to his group and on the way to Mt. Zao. During the lecture, faculty and students raised quite a few interesting questions. Most of 22 attendees were from Kato-Nishiyama Laboratory and showed great interest in my work.*



*(Front row, from right to left) Wei Chao, Ahmed Abdullar, Zubair Md. Fadlullah, Nei Kato, Yuguang Fang, Mostafa Fouda, and Jiajia Liu*

*This is another successful lecture tour for me. I met many people and learned many new things, thanks to the Comsoc Distinguished Lecture Program, which could really brought members closers. It would not be possible without the help from a few volunteers. Ms. Ewell Tan, executive of IEEE Asian Pacific Region, had done a fantastic job in shepherding and coordinating this lecture tour again. My appreciation is also extended to those people from local chapters for their arrangements and hospitality.*

### **Summary Report from Beijing ComSoc Chapter**

#### **Lecture at Beijing University of Posts & Telecommunications (BUPT)**

*IEEE Communications Society (ComSoc), Beijing Chapter arranged a lecture on 25 May, 2013 (Friday) . Dr. Michael Fang, IEEE Fellow, was invited to give the 50 minutes lecture on ‘Secure Network Performance for Large-Scale Wireless Ad Hoc Networks’. The lecture took place from 10:00-11:30.am, China Time. Prof. Xiaofeng Tao, Chair of Beijing ComSoc Chapter, hosted the seminar. There were totally about 70*

attendees, including university students, academic researchers and public participants from ICT related Industries.

### **Initial Preparation**

The initial preparation mainly includes information announcement, auditorium preparation and the guest receiving.

The related information about the lecture, including abstract of the talk and a brief introduction of Dr. Michael Fang was notified on the BUPT website announcement board by the school academic committee. Also, the lecture announcement was E-mailed to IEEE ComSoc Members in Beijing by Prof. Tao.

We booked the formal auditorium to host Dr. Fang's lecture, located in BUPT campus, which is normally used for the academic lectures.

Dr. Fang stayed at BUPT High Tech Mansion, which is beside BUPT campus. Dr. Fang was picked up from the hotel to BUPT campus 20 min. before the lecture.

### **During the Lecture**

When Dr. Fang reached the auditorium, many students were already present. The lecture was started at 10:00 am and hosted by Prof. Tao. Nearly 70 participants from academia and industry, both IEEE ComSoc Members and non-members were present for the lecture.

The lecture was started from the preliminary level for the need and significance of security in Ad hoc networks. Prof. Fang explained about the related issues on how security requirements would impact the network performance for large-scale wireless ad hoc networks. The main focus was centered around the applications of wireless ad hoc networks such as wireless sensor networks and tactical mobile ad hoc networks and the need for support of secure services. Such security requirements, however, also bring in network performance degradation in terms of throughput and delay. Security always comes with a price in terms of performance degradation, which should be carefully quantified.

Dr. Fang took 1 hour 10 minutes for his lecture. Participants were very interested in the topic and contents. Notes were taken and questions were asked during the lecture by many participants.

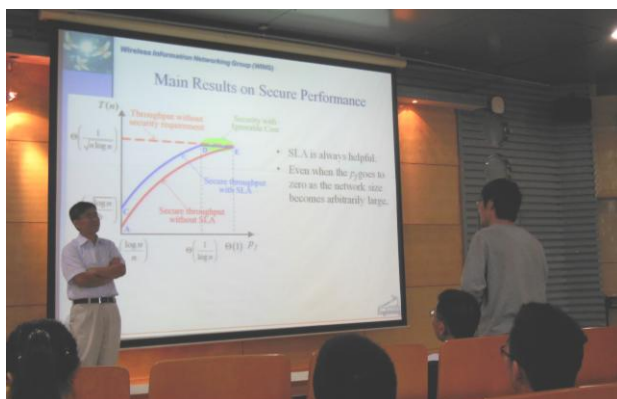
Question-answer continued after the Lecture for additional 20 minutes. The questions were covering both the basic and professional aspects of the topic. Due to the shortage of Q/A time, several participants had further exchanges with Dr. Fang after the session ended.

### **After the Lecture**

After the lecture, Dr. Fang had a further talk with various professors in BUPT and visited the related labs, he then returned to hotel after having dinner with Prof. Tao.

It was our pleasure to host Dr. Fang and we believe that his lecture brought many significant ideas in the minds of research students and at the same time cleared many doubtful minds.

We also hope that Dr. Fang also had a pleasant experience for his visit to Beijing.



Picture: Lecture at BUPT

*Written by Waheed ur Rehman  
Secretary, IEEE Beijing ComSoc Chapter*

\*\*\*\*\*

**2013 AP DLT #5: 25 – 31 August 2013**

**Lecturer: Ekram Hossain**



<b>Hosting Chapter</b>	<b>2013 Chapter Chairs</b>
Indonesia ComSoc Chapter	Satriyo Dharmanto

Prof. Ekram Hossain presented his technical presentations at the following venues:

- 1. Bandung – 26 August 2013 (Monday)**  
Venue : IT Telkom  
Topic : Modeling, Analysis, and Design of Multi-tier and Cognitive Cellular Wireless Networks and;  
Radio Resource Management in Multi-tier Cellular Wireless Networks
- 2. Jakarta – 27 August 2013 (Tuesday)**  
Venue : Floatway / Universitas Mercu Buana  
Topic : Modeling, Analysis, and Design of Multi-tier and Cognitive Cellular Wireless Networks and;  
Radio Resource Management in Multi-tier Cellular Wireless Networks
- 3. Yogyakarta – 28 August 2013 (Wednesday)**  
Venue : Universitas Gadjah Mada, Yogyakarta  
Topic : Modeling, Analysis, and Design of Multi-tier and Cognitive Cellular Wireless Networks
- 4. Karawaci, Banten Province – 29 August 2013 (Thursday)**  
Venue : Universitas Pelita Harapan  
Topic : Radio Resource Management & Intereference Analysis in Multi-tier Wireless Network

***Summary Report from Prof. Ekram Hossain***



*Sponsored by the IEEE ComSoc and hosted by the IEEE ComSoc Indonesia Chapter, I undertook a DLT during August 25 – August 31, 2013. I delivered six lectures in the following cities: Bandung (two lectures), Jakarta (three lectures), and Yogyakarta.*

*I delivered two lectures hosted by IT Telkom. Both lectures were very well attended and after the seminar there were interesting discussions on the evolution of future generation cellular wireless systems. Thanks to the IT Telkom Faculty and Staff for making a very nice arrangement for the seminar and hosting me generously. I would like to specially thank Mr. Tengku Ahmad Riza from IT Telkom (Univ Telkom), who acted as the liaison for my visit to IT Telkom.*

*Another two lectures at Universitas Mercu Buana, Jakarta were also hugely attended and I got the impression that this talk benefited the young academics and the graduate students benefited a lot. There were about 40+ staffs and students from Mercu Buana and also from several other neighboring universities. I would like to specially thank Mr. Mr. Lingga Wardhana from Floatway/Universitas Mercu Buana, who acted as the liaison for my visit to IT Telkom.*

*The lecture at Universitas Gadjah Mada, Yogyakarta was attended by 50+ staffs, students, and faculty members. This talk was also very well attended. There were discussions on interference modeling issues in multi-tier wireless networks. I encouraged the students and the faculty to get involved with the IEEE Communications Society. I believe many of the students were greatly inspired. I would like to express my gratitude to Mr. Iswandi for organizing this talk and hosting me.*

*Lastly, I presented my lecture at Universitas Multimedia Nusantara, Jakarta. This talk was also very well attended and most of the attendees were undergraduate students. This talk aroused lot of interests on heterogeneous cellular wireless networks. There were interesting questions asked by several students. I would like to thank Mr. Kanisius Karyono who took a very good care of me during the visit to Universitas Multimedia Nusantara.*



\*\*\*\*\*

**2013 AP DLT #6: 1 – 24 August 2013**

**Lecturer: K. K. Ramakrishnan**

<b>Hosting Chapter</b>	<b>2013 Chapter Chairs</b>
Bangalore ComSoc Chapter	Srinivas Talabattula
Kerala ComSoc Chapter	Manoj B. S.
Madras ComSoc Chapter	N R Alamelu
Kolkata ComSoc Chapter	R Nandi
Hyderabad ComSoc Chapter	Mohammed Zafar Ali Khan
Bombay ComSoc Chapter	Sanjay Pawar
Pune ComSoc Chapter	Mandar Khurjekar



The technical topic of “Networking the Cloud: Enabling Enterprise Computing and Storage” was presented by Dr. K. K. Ramakrishnan at the following venues:

- 1. Bangalore – 2 August 2013 (Friday)**  
Venue: Indian Institute of Science
- 2. Kerala – 5 August 2013 (Monday)**  
Venue: Amphitheatre, C-DAC
- 3. Madras – 8 August 2013 (Thursday)**  
Venue: Hindustan University
- 4. Kolkata – 10 August 2013 (Saturday)**  
Venue: Wipro Technologies
- 5. Hyderabad – 12 August 2013 (Monday)**  
Venue: Vasavi College of Engineering
- 6. Bombay – 21 August 2013 (Wednesday)**  
Venue: SNDT Women’s University
- 7. Pune – 22 August 2013 (Thursday)**  
**Venue:** Tech Mahindra and Vishwakarma Institute of Technology

***Summary Report from Dr. K. K. Ramakrishnan***

*I was very pleased to have the opportunity to do this Distinguished Lecture series on the topic of “Networking the Cloud: Enabling Enterprise Computing and Storage”. The emphasis was on providing cloud services for Enterprises. The lecture included introductory material on cloud computing and*

virtualization and motivated the need for integrating cloud computing with network services for seamless integration of cloud computing into the enterprise IT infrastructure. We also covered issues related to Disaster Recovery (DR), and the use of the cloud infrastructure as the remote DR site.

It was a satisfying experience, although it was somewhat hectic. The audiences at each of the 9 lectures were enthusiastic, interested and curious to learn more. They were knowledgeable and asked questions during and after the lectures. By far, the most asked question related to the security of the data in the cloud. The audience showed concern for protecting the data from other users, the network as well as the cloud provider itself.

#### **Lecture in Bangalore**

The lecture was part of a 2-lecture event hosted by the ECE Dept. of IISc on that day. Mine was the 2nd talk, attended by about 100 participants. The talk lasted about 70 minutes, including questions (limited by hall availability). My host, Prof. T. Srinivas (also the ComSoc Chapter chair) graciously arranged for transportation to and from the lecture and the entire ComSoc executive committee joined us for dinner after the lecture. It was a good start to the lecture series. The audience was technically astute, and I believe were happy with the lecture, based on their questions.

#### **Lecture in Kerala**

The talk at C-DAC was attended by a number of people from C-DAC itself as well as industry participants from around the city as well as some students. The total number of participants was around 75. The lecture was for one hour, and there were several questions at the end of the talk. There were several people at C-DAC involved with cloud computing and we had a brief discussion on Open Stack after the talk. I also gave a second talk at the Indian Institute of Space Technology, about 40 Km away from Trivandrum, and the audience of about 50-60 undergraduate and graduate students were quite interested in the topic. It was quite satisfying to give the talk at IIST as the students showed a lot of interest in the topic. The arrangements for my stay and travel to the venues were coordinated between Dr. Prem Krishnan, Secretary and Prof. B. S. Manoj, Chair of the Kerala Section of IEEE ComSoc. The arrangements were excellent, and despite the monsoon weather, everything went off flawlessly. I appreciated the effort of the hosts to take good care of me during the visit.

#### **Lecture in Madras**

The lecture was attended by nearly 400 students and faculty, a majority of the students were undergraduate students. At the end of the talk, several faculty members and graduate students were quite interested in using Open Stack and we discussed what might be useful projects for them to do both at the undergraduate and graduate level. I was taken care of by Prof. P. Subramanian, Secretary of IEEE ComSoc Madras Chapter. He received me at the airport, despite the late hour (around midnight) and arranged everything nicely for my visit.

#### **Lecture in Kolkata**

The lecture was attended by about 50 to 60 people, with a mix of industry participants, graduate students and faculty members. The talk went on for 2 hours, and it was a very satisfying experience with

*a lot of interaction throughout the talk with the audience. There were a lot of questions and I had fun giving the talk to this audience. I have to commend the hosts for taking truly excellent care of me, with meticulous attention to detail, making sure all the needs I had requested (bottled water and fitness center) were met. Prof. Venkateswaran took special care of me every step of the way and ensured that I was completely comfortable, and I have to really thank him and Prof. Nandi for the great arrangements. This visit was really enjoyable.*

### **Lecture in Hyderabad**

*This lecture was attended by nearly 100 students and faculty members, several of whom were from my alma mater Indian Institute of Science. It was therefore a pleasure to give the talk at this venue. The audience participation was quite reasonable, with a few questions at the end of the talk. The arrangements were taken care of by Dr. N. Venkatesh, vice-chair of the ComSoc chapter, and I really enjoyed meeting him and interacting with him during the visit. The arrangements were also quite reasonable and adequate for my visit.*

### **Lecture in Bombay**

*This lecture was attended by more than 100 students and faculty, and the auditorium was full, with several people standing during the talk. The students were interested in the topic, and in particular several of the faculty members were interested in potential projects on Cloud Computing that they could have their undergraduate and graduate students do to both understand the technology, its potential and potential research opportunities. I was taken care of by Prof. Pawar and Prof. Sanjay Shitole.*

### **Lecture in Pune**

*The first lecture was at Tech Mahindra, which was attended by over 100 participants, most of whom were from industry including Tech Mahindra. This talk was the most interactive, and the 90 minute talk was very enjoyable because of the questions and discussion. The second lecture was at VIT University that was attended by nearly 300 students and faculty. The second talk that lasted 60 minutes was also enjoyable, with a few questions from the audience at the end.*

*I found the whole trip very satisfying. I talked to a total audience of nearly 1500 people across the 9 talks, and while the audience participation and reaction was varied, it was mostly positive. I took away the impression that the lecture series was in fact useful for the audiences so that they learnt something from the talk and hopefully could use it in the future. I would encourage IEEE to organize more of such 'practical' DL lectures to the audiences in the developing world. It would be recognized as a useful service by IEEE members and also would serve as a good way to add membership.*

### **Summary Report from Kolkata ComSoc Chapter**

*The Kolkata ComSoc Chapter had participated in the DLT 2013, with Dr. K. K. Ramakrishnan, Fellow, AT & T Labs - Research, Florham Park, NJ, USA as Distinguished Lecturer.*

*The Lecture was organized on August 10, 2013 (Saturday) at Wipro Limited, Salt Lake City, Kolkata between 11am and 1pm. In his welcome address, Prof. R. Nandi, Chairman, IEEE ComSoc Kolkata*

*Chatper has highlighted the activities of the Chapter, especially the Membership Recruitment drive initiated by the Chatper. Then, Dr. K. K. Ramakrishan delivered the Lecture on Networking the Cloud: Enabling Enterprise Computing and Storage. He started the Lecture with the brief introduction on Cloud Computing. He has proposed a Virtual Cloud Pool abstraction to logically unify cloud and enterprise data center resources, and presented the vision behind CloudNet, a cloud platform architecture which utilizes Virtual Private Networks to securely and seamlessly link cloud and enterprise sites. Dr. Ramakrishnan explained how WAN latency between a cloud site and an enterprise can become a major performance bottleneck when synchronously replicating an application's data into the cloud and then described their proposal called 'Pipelined synchrony' to address this problem.*

*The audience interacted with the Speaker during the Lecture and just after the conclusion of the Lecture. The Program has provided a rare opportunity for the researchers and industry members of ComSoc Kolkata to have the first hand information on Cloud Computing from the Distinguished Lecturer. A total of 50 participants (IEEE Members – 30, Student Members – 5, Non-Members – 15) attended the DLT 2013. Dr. Swarup Mandal has presented the Memento to the Speaker on behalf of the Wipro Limited. Ms. Shilpa Basu has proposed the Vote of Thanks. Dr. P. Venkateswaran, Associate Professor of Jadavpur University was the Co-ordinator of DLT 2013, organized by the IEEE ComSoc Kolkata Chapter.*



**Submitted by R. Nandi and P. Venkateswaran from Kolkata ComSoc Chapter**

### **Summary Report from Hyderabad ComSoc Chapter**

*Dr. Ramakrishnan's lecture was on 'Networking the Cloud: Enabling Enterprise Computing and Storage'. The topic was of immediate interest to the students and professionals specializing in Computer Science or Information Technology. The venue was one of the oldest privately established engineering colleges in Hyderabad. The attendance to the lecture was as follows:*

*Students: 51*

*Faculty: 12*

*Professionals: 7*

*Dr. Ramakrishnan spoke about Cloud Computing and the many advantages it has brought to the industry. He described a cloud platform architecture which utilizes Virtual Private Networks to securely and seamlessly link cloud and enterprise sites; and how it opens new opportunities for cross data center load balancing and dynamic application placement based on metrics like latency to users or energy cost. He also introduced the concept of Pipelined Synchrony that addresses the WAN latency in cloud applications.*

*At the commencement of the talk, Mr. N Venkatesh, Vice Chair, Comsoc/SPS Joint Chapter, IEEE Hyderabad Section, spoke on behalf of the Section and highlighted the growth in its membership and activities. The majority of the audience were students and student members and the event helped spread awareness of IEEE among non-members, and provided members with an opportunity to interact with their peer members.*



**Submitted by N. Venkatesh from Hyderabad ComSoc Chapter**

### **Summary Report from Pune ComSoc Chapter**

*Dr Kadangode K Ramkrishnan, DLT of IEEE reached Pune from Mumbai by Train at 8.30pm on 21st August 2013. He was received at the Railway Station by Dr A S Tavildar, Chairman, IEEE ComSoc Pune and Prof M J Khurjekar . He was put up at Hotel JMFour, Pune.*

### **Lecture 1 at Tech Mahindra**

*On 22nd August he was escorted to Tech Mahindra, Hinjewadi, Pune for his planned Lecture to Industry Persons. He was received at the Corporate Block of Tech Mahindra by Dr Avinash Joshi and Dr Neelesh Kumbhojkar. After a welcome tea for the visitors, the Lecture program started. Dr Ramakrishnan was*

given a floral welcome by Dr Avinash Joshi. His Bio data was read by Miss Anamika Vishwakarma, employee of the company

This Lecture was organized by IEEE Communications Society, Pune Chapter of IEEE Pune Section. The Lecture was arranged at "Media Room, Corporate Block" of the company in Hinjewadi. About 145 persons, from various IT companies and educational Institutes around Hinjewadi, attended the Lecture. Around 7 IEEE members were amongst the attendees.

Dr Avinash Joshi offered welcome bouquet to the Guest DL Dr K K Ramkrishnan. Dr Kumbhojkar briefed the Program and Dr AS Tavildar briefed the audience about IEEE, IEEE Pune Section and IEEE Comsoc Pune Chapter. He invited audience to Join IEEE in Large number.

The Lecture started, as planned, at 11am and Lasted till 12.35pm. Many participants interacted with enthusiasm with Dr K K Ramkrishnan and he replied with full enthusiasm and tried to satisfy the audience with his Lucid and highly technical Presentation. During the lecture he covered following topics prominently:

1. Concept of Cloud
2. Networking in the cloud environment
3. Storage of the information and migration issue.
4. Enabling Enterprise computing



After the Lecture a Lunch was arranged in the Honor of Dr K K Ramkrishnan. Few select persons from Industry, Chairman IEEE Comsoc Pune, & Prof M J Khurjekar (Member IEEE Pune Excom) also joined this Lunch.

### **Lecture No 2 at Vishwakarma Institute of Technology**

Dr K K Ramkrishnan was then escorted for his another lecture scheduled at Vishwakarma Institute of Technology, Upper Indiranagar, Bibwewadi, Pune on 22nd August, 2013 to deliver a Lecture on "Networking the Cloud"

The Lecture was arranged at "Sharad Arena" of the Institute. About 305 students plus faculty, from various Engineering Educational Institutes around Pune and Industry attended the Lecture. The Lecture started as planned at 4pm and Lasted till 5.15pm. Many students and faculty interacted with Dr K K Ramkrishnan who replied with full enthusiasm and tried to satisfy the audience with his lucid technical Presentation. During the lecture he covered following prominently:

1. Basic Concepts of Cloud
2. Basics of Computer Networking in the cloud environment
3. Storage of the information and migration issue.

*This Lecture was organized by IEEE Comsoc Pune Chapter. Prof Suhas Bhise, Students Counselor of IEEE Students Chapter of VIT, Pune coordinated the activity at VIT. He also helped propagate the Theme of Lecture to quite a few engineering colleges.*

*The arrangement for the lecture was very impressive and was possible because of Prof A S Marathe, Prof J V Kulkarni, Prof Mrs Degaokar and Dr R M Jalnekar (Director, VIT). Thanks to VIT. VIT has 102 IEEE Student members. It is well running students chapter since 1999.*

*Both the lectures were highly successful and arrangements at both places were very impressive.*



\*\*\*\*\*

**2013 AP DLT #7: 29 September – 5 October 2013**

**Lecturer: Maode Ma**



Hosting Chapter	2013 Chapter Chairs
New Zealand North & South ComSoc Chapter	Nurul Sarkar
New Zealand Central ComSoc Chapter	Terence Betlehem

Dr. Maode Ma delivered his technical topics at the following locations:

- 1. Auckland – 30 September 2013 (Monday)**  
 Venue: AUT University  
 Topic 1: Systems QoS Provisioning in LTE/LTE-Advance 4G Wireless Networks Talk &  
 Topic 2: Security Enhancement for M2M in Cyber-Physical Systems
  
- 2. Wellington – 2 October 2013 (Wednesday)**



Venue: Victoria University

Topic: QoS Provisioning in LTE/LTE-Advance 4G Wireless Networks

**3. Christchurch – 4 October 2013 (Friday)**

Venue: University of Canterbury

Topic 1: Systems QoS Provisioning in LTE/LTE-Advance 4G Wireless Networks Talk

Topic 2: Security Enhancement for M2M in Cyber-Physical Systems

***Summary Report from New Zealand North/South ComSoc Chapter chair, Nurul Sarkar***

*IEEE NZ North Section hosted IEEE ComSoc Distinguished Lecturer (DL) A/Professor Maode Ma who gave two public lectures on Monday 30 September this year in Auckland. The venue was selected at the Auckland University of Technology.*

*The first talk “Systems QoS Provisioning in LTE/LTE-Advance 4G Wireless Networks” focused on the architecture and quality of service (QoS) provisioning for long term evolution (LTE) advanced 4G technology and was nicely presented in tutorial style. Some issues and open research areas were discussed. The second talk “Security Enhancement for M2M in Cyber-Physical Systems” highlighted authentication protocol for the machine to machine (M2M) communication in the cyber-physical systems (CPS), or the Internet of thing.*

*Despite of the busy time of the year, about 20 participants (15 IEEE and 5 non-IEEE members) from within and outside of University attended the talk. While most of the participants are from Universities (both academic staff member and research students), we had a couple of Engineers from the wider university community. There was an ample opportunity for discussion as well as networking before and after the talk. People have enjoyed talking/networking during the refreshments. Dr Nurul Sarkar, Chair/representative of the IEEE NZ North communication society (ComSoc) Chapter, has organised Prof Ma’s visit. The event was co-sponsored by IEEE ComSoc and IEEE NZ North section.*



### **Group Photo in Auckland**

### **Summary Report from Harsha Sirisena, New Zealand South Chapter Rep for lecture in Christchurch**

*Dr Ma arrived in Christchurch on 3 October from Wellington. After lunch, he gave an informal seminar titled "QoS Provisioning in LTE/LTE-Advanced 4G Wireless Networks" to students and staff in the Department of Computer and Software Engineering at the University of Canterbury, which was much appreciated. Then, he met with members of the Networks Research Group to discuss mutual research interests. We are grateful to Dr Ma for accepting these additional commitments in on top of his scheduled Distinguished Lecture.*

*Dr Ma delivered his lecture on "Security Enhancement for M2M Communication in Cyber-Physical Systems" at 5:30 pm in the Department of Electrical and Computer Engineering at the University of Canterbury. Attendance was poor, perhaps because there are other competing interests on a Friday evening - five people attended, three IEEE ComSoc members and two IEEE members. Two of the attendees were from industry. Despite the small audience, there were many questions asked during the lecture and also a lively Q & A session afterwards in which the industry attendees, one of whom was*

*working in an area related to the lecture, participated very actively. Dr Ma appreciated the feedback from the audience, which he said indicated areas of his work that needed refinement.*

*As there were no non-IEEE members in the audience at the DL, despite it being advertised as being open to all, there was no opportunity of recruiting new members. However, holding regular lecture and other events is obviously important for retaining existing members.*

*As regards future DLs, in Christchurch at least, one lesson to be learnt is that Friday evenings should be avoided when drawing up the schedule.*

---

We have 7 approved and successful DLTs conducted in Asia Pacific Region this year. This is another good year to all our Communications Society members in our region as we have volunteers who are very enthusiastic in hosting distinguished lecture programs for the benefits of their local communities.

We would like to give a big thank you to all the distinguished lecturers who are willing to travel to our region and to share their technical knowledge. Not to be forgotten, we would also like to express our sincere gratitude all the hosting chapters / organizers for their hospitality extended to the lecturers and their efforts in organizing the lectures.

We look forward to another fruitful and exciting distinguished lecture tours in our region for the years to come!

---