

## **Report on the Distinguished Lecture Tours (DLTs)**

Report on Distinguished Lecture Tours (DLTs)

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

This year in 2012, we have a total of 10 DLTs approved in Asia Pacific Region and a few more interests to conduct DLTs in our region again next year. This is a great milestone, as we have achieved the highest numbers of DLT programs conducted in our region since 2005.

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### **2012 AP DLT #3: 4 – 14 August 2012**

**Lecturer: Falko Dressler**

<b>Hosting Chapter</b>	<b>2012 Chapter Chairs</b>
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 delivered the lecture topics on “Biologically-inspired and Nano-scale Communication and Networking” and “Protocol Engineering for Vehicular Communications” at the following locations:-

- 1. Pune – 7 August 2012 (Tuesday)**  
Venue: Vishwakarma Institute of Technology and Infosys
- 2. Hyderabad – 9 August 2012 (Thursday)**  
Venue: Tata Consultancy Services
- 3. Bangalore – 10 August 2012 (Friday)**  
Unable to conduct the lecture due to health issue
- 4. Kerala – 11 August 2012 (Saturday)**  
Unable to conduct the lecture due to health issue

### **Summary Report from Dr. Falko Dressler**

*I'd like to briefly report about my recent DL tour through southern India, visiting Pune and Hyderabad. Originally, another two stops had been planned at Bangalore and Kerala but unfortunately, I had to cancel the tour due to health issues.*

*Nevertheless, I can report that the tour was perfectly organized by Ewell Tan (IEEE Asia Pacific). The contact was initially established by Korrai D Rao (Hyderabad). I'd like to thank all the organizers very much for all their kind help! My trip included two stops, giving lectures on two different topics. I attach the abstracts used for announcing the lectures in the respective local chapters.*

**August 3, 2012:** I started the trip flying to Mumbai (Bombay), arriving very late night (1am), just taking a taxi to the hotel. I've spent 2 days in Mumbai visiting the city and learning about the local history.

**August 6, 2012:** My first DLT stop was Pune. Prof. Mandar Khurjekar kindly picked me up at the airport and organized a very calm and clean hotel in Pune. We briefly discussed about the differences of the academic systems in Europe and India and also about possibilities for Indian students to spend some time at a European university.

In the early afternoon, I gave a lecture on Bio-inspired and Nano-scale Communication and Networking. The lecture was organized at the local university. The meeting was mainly organized by the local student chapter – a fact that also helped a lot to attract the lecture to many MSc and PhD students. I counted more than 100 attendees, most of them from university. After the talk, very active and positive discussions were going on. The local organizers have spent a lot of effort and time to make this lecture a success.

**August 7, 2012:** Still in Pune, I gave a second lecture on Protocol Engineering for Vehicular Communications. This time, the meeting place was in some industry park organized by Infosys. The character of the meeting was of course more industry related compared to the first lecture. I was told that many of the about 150 attendees (!) were from several small and medium businesses. The meeting was also very professionally organized. We've spent also some time before and after the lecture to discuss the need for industry people to actively contribute to IEEE and the possibilities of such seminars and lectures.

**August 8, 2012:** After arriving in Hyderabad, I met the vice chair of the local IEEE chapter. They organized again a very nice accommodation in the center of the city.

In the afternoon, I gave my last lecture on this tour on Protocol Engineering for Vehicular Communications. Unfortunately, I had to leave right after the meeting. The lecture was organized by Korrai D Rao in some industrial facility. This was a joined event with the IEEE Signal Processing Society.

Unfortunately, I had to cancel the remaining 3 lectures due to some health problems. I want to thank all the local organizers for their help and assistance in this very critical moment. In particular, I'd like to thank Prof. Khurjekar for his help getting me to some local medical doctor. I also like to thank all the COMSOC people involved for their very warm wishes and support.

Meanwhile, I am fully recovered again. I regret that I was not able to visit all the other places but still I think the DLT was a great success given the many positive and fruitful discussions.



Dr. Falko Dressler delivered lecture at Infosys, Pune on 7<sup>th</sup> August 2012

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## **2012 AP DLT #4: 10 – 19 July 2012**

**Lecturer: Xavier Fernando**

Hosting Chapter	2012 Chapter Chairs
Madras ComSoc Chapter	N R Alamelu
Kerala ComSoc Chapter	Sasi P M
Bangalore ComSoc Chapter	Subir Saha



Dr. Xavier Fernando delivered his technical presentation at the following locations:-

- 1. Madras – 12 July 2012 (Thursday)**  
Topic: Radio over Fiber for Wireless Communications
- 2. Kerala**  
**Calicut: 13 July 2012 (Friday)** – Topic: Communication and Signal Processing in Smart Grid  
**Cochin: 14 July 2012 (Saturday)** – Topic: Wireless Sensor Networks for Smart Green Buildings  
**Trivandrum: 15 July 2012 (Sunday)** – Topic: Low Interference Wireless Communications for Biomedical Application
- 3. Bangalore – 17 July 2012 (Tuesday)**  
Topic: Radio over Fiber for Wireless Communications

### **Summary Report from Prof. Xavier Fernando**

*I am delighted to report a very successful IEEE COMSOC Distinguished Lecture Tour in South India, during July 11 – 17, 2012. I visited five different cities in three states giving seven lectures during this trip. My sincere thanks to Dr. Mehmet Ulema, Director - Membership Programs Development, Dr. Sabu, DLT Coordinator, Kerala and Ms. Ewell Tan of IEEE Asia Pacific Regional Headquarters, Singapore for making this tour a reality.*

*In Chennai, Prof. Subramanian, Secretary of COMSOC Chennai Chapter coordinated events. I visited the Chrompet, campus of Anna University on July 11th where, Prof. Vaidehi Vijayakumar and Dr. Srikanth was the hosts. The lecture was on 'Communication Requirements for Smart Grid'. The audiences were very keen on the smart grid technologies that would enable incorporating renewable sources, as India is struggling to meet its demand.*

*Next day, July 12 morning I visited the Arupadai Veedu Institute of Technology, Tamil Nadu. Dr. Vijendra Babu, Head of ECE Department introduced me. My lecture was again on the Smart Grid. There were over 100 audiences, mostly students.*

*The same day afternoon I went to the Anna University, Guindy campus. The host was IEEE Chennai Section Vice Chair Dr. Mohan. The topic was 'Radio over Fiber for Wireless Communications'. There were over 80 audiences who showed great interest on the topic. One professor was asking about using A/D converters to overcome the nonlinearity of ROF. Another researcher was asking how UWB signals can be optically generated and transmitted over fiber.*

The next day I went to Calicut in Kerala where, Kerala's prestigious National Institute of Technology (NIT) is located. Prof. K. P. Mohandas, Chair, IEEE Malabar Subsection welcomed me and Prof. Abraham T. Mathew introduced me to the audience. The talk was again on Smart Grids. About 75 participants attended the lecture. Dr. Sameer, Secretary, IEEE Malabar subsection thanked me and the audience. My speech in NIT Calicut about smart grid initiatives for distributed power generation appeared in the Calicut edition of the Indian National Newspaper, The Hindu (<http://www.thehindu.com/todays-paper/tp-national/tp-kerala/article3644505.ece>).

Next day, July 14th, I went to Cochin (Kochi) in Kerala state. Dr. Suresh Nair, Vice Chair, IEEE Kochi Subsection rendered the welcome address. Here, I gave seminar on 'Wireless Sensor Networks for Green Building'. There were 35 participants of whom 15 were from Industry and 20 from academia.

Next day, July 15th, I went to Thiruvananthapuram, the capital of Kerala. The lecture was held at the Centre for Development of Advanced Computing (C-DAC) and the topic was "Low Interference Wireless Communications for Biomedical Applications". I was introduced to the audience by Mr. Pradeep Balachandran, Secretary, COMSOC, Kerala chapter. In the closing ceremony, a memento was presented to me by Mr. Koruthu P Varughese, Past-Chair of IEEE Kerala Section. Mr. Prem Krishnan, Treasurer, ComSoc, Kerala Chapter, proposed the Vote of Thanks.

Finally, I went to Bangalore in Karnataka state. Prof. Srinivas of IISC warmly welcomed me. My lecture was on July 17th on Radio over Fiber. There were about 70 people attended the lecture. There were a group of engineers from the highly reputed Tata Consultancy Service (TCS).

Overall, the DLT experience was wonderful. I thank the COMSOC for giving me this rewarding opportunity.



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## 2012 AP DLT #5: Scheduled Plan 18 – 24 November 2012

Lecturer: Koichi Asatani

Hosting Chapter	2012 Chapter Chairs
New Zealand North & South ComSoc Chapter	Nurul Sarkar
New Zealand Central ComSoc Chapter	Paul Teal



The lecture topic of “Trends in NGN and its issues” will be presented by Dr. Koichi Asatani at the following locations:-

1. **New Zealand North and South, Auckland – 19 November 2012 (Monday)**
2. **New Zealand North and South, Christchurch – 21 November 2012 (Wednesday)**
3. **New Zealand Central, Wellington – 22 November 2012 (Thursday)**

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## 2012 AP DLT #6: Scheduled Plan 14-18 October 2012

Lecturer: Marco Chiani

Hosting Chapter	2012 Chapter Chairs
Malaysia ComSoc Chapter	Sieh Kiong Tiong



Prof. Marco Chiani has delivered his lectures at the following locations:-

1. **Kuala Lumpur – 15 October 2012 (Monday)**  
Venue: International Islamic University of Malaysia (IIUM)  
Topic: Spectrum Sensing for Cognitive Radio: fundamental limits and multiple antenna based methods.
2. **Pahang – 16 October 2012 (Tuesday)**  
Venue: Universiti Malaysia Pahang (UMP)  
Topic: Spectrum Sensing for Cognitive Radio: fundamental limits and multiple antenna based methods.
3. **Putrajaya – 17 October 2012 (Wednesday)**  
Venue: Universiti Tenaga Nasional (UNITEN)  
Topic: Fundamentals and Advances in MIMO Communication Systems and Networks

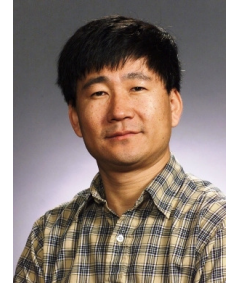
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## 2012 AP DLT #7: 27 July – 15 Aug 2012

Lecturer: Michael Fang

Hosting Chapter / Section	2012 Chapter Chairs
Shenzhen ComSoc Chapter	Qinyu Zhang
Chengdu Section	Houjun Wang
Beijing ComSoc Chapter	Xiaofeng Tao



Dr. Michael Fang has presented his technical presentations at the following locations:-

**1. Shenzhen – 30 July 2012 (Monday)**

Venue: Harbin Institute of Technology

Topic: “Small World Phenomena in Wireless Ad Hoc Networks” and “A Novel Architectural Design for Cognitive Radio Networks”.

**2. Chengdu – 6th & 7th July 2012 (Monday & Tuesday)**

Venue & Topic:

(i) “A Novel Architectural Design for Cognitive Radio Networks” at Southwest Jiaotong University (SWJTU)

(ii) “How Should Cross-layer Design Be Done for Wireless Networks?” at University of Electronic Science and Technology of China (UESTC)

(iii) “ID-based Cryptographic Approach to Addressing Security Issues in Wireless Networks” at Xihua University

**3. Beijing – 15 August 2012 (Wednesday)**

Venue: Beijing University of Posts and Telecommunications

Topic: How Should Cross-layer Design Be Done for Wireless Networks?

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

*My first talks were given at the Graduate School of Harbin Institute of Technology established in Shenzhen, with which my host, the local IEEE ComSoc chapter Chair Dr. Qinyu Zhang is also a Professor and a Dean. Local chapter really took advantage of this lecture tour and asked me to deliver two talks (“cognitive radio networks” and “social networks”). Although my tour was during summer vacation time, the talks were well attended and attracted more than 40 attendees. To help student members, I was asked to give an additional talk on how to do research, which was hosted by Professor Xiaoxia Huang at Shenzhen Institute of Advanced Technologies (SIAT), China Academy of Science, where I also had the opportunity to visit the Institute’s impressive R&D facilities and their products.*

*My first talk in Chengdu was on cognitive radio networks hosted by Dr. Xumin Fang, Professor and Chair of the Department of Communications Engineering at Southwest Jiao Tong University (SWJTU). The talk was very well received with many lively questions. During this period, Dr. Fang and Dr. Pingzhi Fan, Vice*

*President of SWJTU, also talked about their research effort on communications and networking over high-speed transportation systems, particularly their National 973 Project.*

*My second talk in Chengdu was on cross-layer design and was hosted by the University of Electronic Science of Technology of China (UESTC), the new campus with very impressive modern architectural designed building and facilities, part of the university expansion movement in China. Many intriguing questions were raised, which had also benefited my research greatly. To publicize the ComSoc, I was asked to deliver a talk on wireless security in the School of Mathematics and Computer Science at Xihua University, a newly renovated program with tremendous interest in nurturing young faculty in telecommunications. I was happy to share with them not only on technical research, but also on IEEE (ComSoc) issues.*

*My final tour stop is in Beijing, the capital of China. Dr. Xiaofeng Tao, the newly elected Chair for IEEE ComSoc Beijing Chapter, hosted my talk on cross-layer design at Beijing University of Posts and Telecommunications (BUPT). Attendees came from various institutes and asked many interesting questions. I was also offered tours to two National Key laboratories sited at BUPT and exchanged research ideas with many faculty and students during this visit.*

*In Beijing, I have also delivered multiple lectures not scheduled in my lecture tour but offered me the opportunity to publicize IEEE ComSoc. Thanks to Dr. Song Ci, Associate Professor of Computer Engineering from University of Nebraska at Lincoln, I had the opportunity to visit Institute of Acoustical Science at Chinese Academy of Science where impressive research on Internet of Things has been conducted. I gave three talks on social networks, cross-layer optimization and how to do research to disseminate my research, share my research experience and spread the words of IEEE ComSoc. I was particularly impressed by the research environment and the interest of over 40 attendees in my talks, which compelled me to make a few more trips to this institute for research exchange during my short stay in Beijing.*

*This was indeed a fruitful lecture tour for me. 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. My appreciation is also extended to those from local chapters for their arrangements and hospitality and they are: Drs. Pingyi Fan, Xiaoxia Huang and Qinyu Zhang from Shenzhen chapter; Drs. Pingzhi Fan, Xuming Fang, Gang Feng, Rong He, Li Hao, Zhen Ma, Houjun Wang, and Mr. Yue Zhao from Chengdu Section; and Drs. Chenyang Yang, Xiaofeng Tao, Song Ci and Ms. Ying Qi from Beijing Chapter.*



*Talk at Shenzhen Institute of Advanced Technology*

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## 2012 AP DLT #8: 22 – 30 July 2012

### Lecturer: Mischa Dohler

Hosting Chapter / Section	2012 Chapter Chairs
Shanghai ComSoc Chapter	Xinwan Li
Shenzhen ComSoc Chapter	Qinyu Zhang
Beijing ComSoc Chapter	Xiaofeng Tao



Dr. Mischa Dohler conducted his technical presentations at the following locations:-

- 1. Shanghai - 23 July 2012 (Monday)**  
Venue: Shanghai Jiaotong University  
Topic: The Emerging Paradigm of Femtocells
- 2. Shenzhen – 26 July 2012 (Thursday)**  
Venue: Harbin Institute of Technology  
Topic: Machine-to-Machine in Smart Grid & Smart Cities: Technologies, Standards, and Applications.
- 3. Beijing – 27 July 2012 (Friday)**  
Venue: Beihang University  
Topic: The Emerging Paradigm of Femtocells

### Summary Report from Dr. Mischa Dohler

*IEEE Comsoc kindly sponsored my Distinguished Lectureship Tour (DLT) to the Asia-Pacific Region, notably China, where I was kindly welcomed by the IEEE Shanghai, Shenzhen and Beijing ComSoc Chapters.*

*The overall preparations of this DLT went very smooth. I had the full and timely support of Ewell Tan, admin executive of the IEEE Asia Pacific Regional Headquarters, who coordinated my schedule with the chapters and their chairs, requested the funding from Comsoc, among other issues.*

*The lectures which have been chosen by the chapters were on the emerging topics of femtocells (Shanghai and Beijing) and machine-to-machine (Shenzhen). Each of the lectures has attracted in average some 30 people, always being a healthy mix of staff and students. Given that the Bell Labs in Shanghai as well as BUPT and ICT in Beijing also profited from my presence, the overall exposure of the lectured topics was to about 150 people. The large exposure has ensured a lot of really lively discussions before, during and after the lectures.*

*Notably, even though not directly related to the topics of this DLT, our paper on “Is the PHY Layer dead?” has had an enormous impact in China and, no matter where I went, this paper and its impact onto academic research, governmental funding and industrial developments were discussed in great length*



*and passion. I was very pleased that, with China traditionally enjoying a very PHY-oriented R&D landscape, our message was heard and appropriate measures considered.*

*Furthermore, related to femto cells and M2M, questions were raised on the suitability to do PHY-oriented research, their applicability to emerging 4G and beyond standards, and the possibility of applying native research at all layers to these systems under consideration. Also, questions related to the future challenges have been very constructive.*

*With all teams, I also had the opportunity to discuss many emerging technology and research issues in China, and how they relate to worldwide developments. Again, I was very pleased that the BuNGee project which CTTC participated in, was appreciated as one of the first serious contenders for 5G high-capacity design.*

*A very important outcome of this tour was also the possibility of the many collaborations which will likely emerge from this visit. I am very much looking forward to working with this emerging R&D force in China, whether they are part of academic or industry.*

*The feedback I had from my lecture has been very positive. I have tried purposely to keep the lectures simple, not to overload with mathematics but rather expose concepts and trends, leaving a lot of room for discussions and hopefully inspiring the audience. The slides of the all lectures are now available on my website with videos to be uploaded by the end of the year; distribution to all universities in China and the region are very much encouraged.*

*The reception of the individual chapters, through Prof Xinbing Wang and Prof. Xinwan Li (Shanghai), Prof. Qinyu Zhang (Shenzhen) and Prof. Chenyang Yang (Beijing), has been exceptional. Be it the timely pick-up from the airport, the provisioning of the lodging, the fantastic lunches with their discussions, and the encouragement of their local ComSoc members to attend – I really felt wonderfully taken care of. Thank you!*

*To summarize, it is apparent that China is a major force in wireless system design worldwide, and I hope that this DLT served to inspire a new generation of researchers and stir innovative research lines to further corroborate the leadership position of the Asia-Pacific Region.*

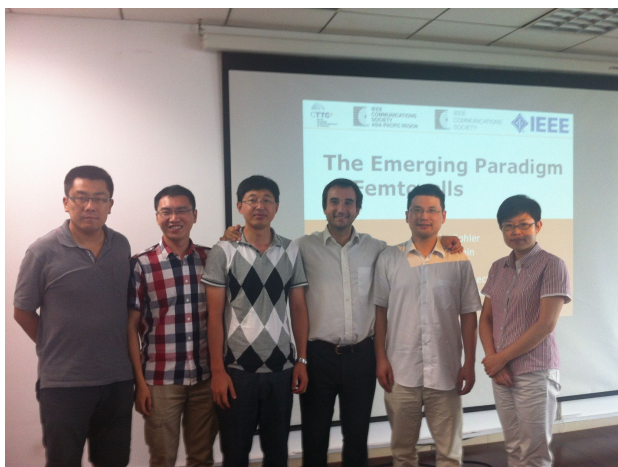


Photo taken with Beijing ComSoc Chapter Chair and some members

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## **2012 AP DLT #9: 8 – 15 October 2012**

**Lecturer: K. K. Ramakrishnan**

Hosting Chapter	2012 Chapter Chairs
Singapore ComSoc Chapter	Cheng Tee Hiang
Indonesia ComSoc Chapter	Satriyo Dharmanto



Dr. K. K. Ramakrishnan has delivered his lecture topics at the following locations:-

- 1. Singapore – 9<sup>th</sup> & 15<sup>th</sup> October 2012 (Tuesday & Monday)**  
Venue: Nanyang Technology University  
Topic: “Enterprise-ready Cloud Computing and Storage Services” and “Building an end to end nationwide IPTV service”
- 2. Indonesia – 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> October 2012 (Thursday, Friday and Saturday)**  
Venue: Universitas Pelita Harapan (UPH), Universitas Gadjah Mada (UGM) and Institut Teknologi Telkom (ITT)  
Topic: “Enterprise-ready Cloud Computing and Storage Services”

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

*This is a trip report on my IEEE DLT tour of Singapore and Indonesia in October 2012.*

*I reached Singapore on Oct. 9th early in the morning (1 am) and presented my DLT talk at Nanyang Technological University at the School of EEE in the afternoon (2:30 pm). The hosts were Prof. Guan Yong Liang and Prof. Gaoxi (Kevin) Xiao from the Division of Communication Engineering. The initial plan of 60-90 minute talk went to 2 hours, with a good amount of interaction from the audience. We had 20-30 people in the audience, with a good number of faculty members and graduate students. There were several insightful questions from both faculty members as well as the students. We then had some informal discussion and dinner with 4 faculty members. It was a pleasant experience.*

*On Oct. 10<sup>th</sup>, I flew to Jakarta, Indonesia. I was received by faculty members from Universitas Pelita Harapan, Jakarta, and was subsequently met by Mr. Satriyo Dharmanto, Chair of the Indonesian COMSoc chapter and Ms Agnes Irwanti, secretary of IEEE Indonesia Section for dinner. The next morning, on Oct. 11<sup>th</sup>, I met with the Dean of Engineering, Dr. Herman Y. Kanalebe, the Head of the Dept. of Electrical Engineering, Prof. Ihan Martoyo, Prof. Henri Uranus and other faculty members who were very gracious and hospitable. After lunch, we went to give the DLT seminar – and to my surprise, it was arranged as a large event with multiple speakers, with the DL talk featured as the Keynote speech. It was wonderful to meet the President of the University and have such a large audience of more than 175 people who were very interested in the topic of Cloud Computing. I ended up taking about 90 minutes for the talk including many questions. We had to stop taking questions after a while (which showed that people were very interested in the topic of Cloud Computing) and had to leave for the airport. Mr.*

*Dharmanto and Ms. Irwanti were wonderful hosts, who took total and complete care of me. I have to thank them for their wonderful and kind hospitality.*

*We flew to Yogyakarta – Indonesia, and stayed overnight. The next morning, Oct. 12th, a very nice arrangement was made, with a large event with multiple speakers once again, around the topic of Cloud Computing, and the DL talk was featured as the Keynote. After lunch, I had about 75 minutes for the talk at the University Center, Universitas Gadjah Mada, Yogyakarta, Indonesia. We had about 175 people registered for the event, and almost all of them stayed until the very end. The organizers had an interesting approach to deal with questions, with a small gift bag provided for each of the people asking question, thus encouraging a lot of questions. It was very pleasant to see such a large number of people interested in the topic and asking many questions. I came back to Jakarta that night. I was met by Mr. Arief Hamdani Gunawan, past Chair of IEEE ComSoc Indonesia Chapter and Board Member of IEEE Indonesia Section and drove straight to Bandung, Indonesia, reaching the destination at about 3 am.*

*The next day, on Saturday Oct. 13, the event arranged was similar to the previous two – with almost 200 participants that attended the whole event, where the DL talk was featured as the Keynote. The event was organized at the Institut Teknologi Telkom (ITT), Bandung – Indonesia. My Keynote was broken up into 2 one-hour talks, part one before and part two after lunch. This was probably a bit longer than needed for the audience. There were a lot of questions after the first part, before lunch. Immediately afterwards, we drove back to Jakarta (a 3 hour trip). The folks at Bandung were very hospitable, making the somewhat tiring trip more tolerable.*

*Overall, my travel to Indonesia was extremely well organized, with very large audiences and the folks organizing the 3 events (under the direction of Mr. Satriyo Dharmanto and Ms. Agnes Irwanti) took great care to make them satisfying events with large participation, having multiple associated talks to make the event a whole afternoon/whole day event that was worthwhile to the participants and one for which they ensured that there was wide publicity. I would highly recommend subsequent DLTs to Indonesia, although maybe it should be with a little more breaks, so that the travel is not too tiring on the DL.*

*Finally, I gave a 2nd IEEE DL in Singapore on Oct. 15th, 2012 on the topic of building an end-end IPTV service at Nanyang Technological University at the School of EEE. My host was Dr. Peter Chong from the Division of Communication Engineering. The talk was for 90 minutes and there were about 30 faculty members and students (including faculty members and students from NUS in Singapore). This was a much more interactive discussion, with a lot of questions from the participants. After lunch and a discussion with Prof. Peter Chong, I had a meeting with Prof. Yonggang Wen, from the Computer Engineering Dept. which was productive with potential for future discussions.*

*Overall, it was a satisfying and pleasant experience, going to Singapore and Indonesia for the IEEE Distinguished Lecture Tour. I have to particularly thank Ms. Ewell Tan, who had tremendous patience and understanding for scheduling this DLT. We had to go through multiple iterations to work out the rather complex schedule and she was very understanding and helpful in working with me to get the whole tour arranged – and in the end it all worked out.*



### **Report from Singapore ComSoc Chapter**

*IEEE Communications Society (ComSoc), Singapore Chapter, hosted two IEEE Distinguished Lecturer Seminars in October 2012. The Distinguished Lecturer was Dr. K. K. Ramakrishnan who is a Distinguished Member of Technical Staff at AT&T Labs-Research. The first seminar was held on 9 October 2012 and the second seminar was held on 15 October 2012. Both seminars were held at the School of Electrical and Electronic Engineering, Nanyang Technological University (NTU), Singapore. Both seminars were attended by students, lecturers and public participants from ICT related research institutes and industries.*

#### ***First Seminar – Nanyang Technological University, Singapore, 09 October 2012***

*The first IEEE Communications Society Distinguished Lecturer Seminar by Dr. K. K. Ramakrishnan, entitled “Networking the cloud: enterprise computing and storage”, was held on 09 October 2012. Dr. Ramakrishnan gave a rather detailed introduction to the state of art of enterprise computing and storage on cloud as well as the main challenges we currently have. The discussions were then mainly focused on a few critical cloud computing issues including load*



*shifting and balancing, data recovery and management, and handling of peak in demands, etc. In the question and answer session, Dr. Ramakrishnan answered the audience's questions on security and privacy, billing policy and service guarantee, data allocation, and comparisons between centralized and distributed data managements etc. The feedbacks from audiences and participants were very positive, which showed that the seminar was highly successful.*

*The second seminar by Dr. K. K. Ramakrishnan, entitled "Building an end-end nationwide IPTV service", was held on 15 October 2012. During the seminar, Dr. Ramakrishnan discussed issues related to building an IPTV backbone and making it robust to failures. He also addressed failure recovery in some detail including the use of MPLS fast re-route at the network layer. Finally he described P2P protocols and then examined how P2P and IP Multicast can be combined harmoniously to deliver on-demand video content over a metropolitan area. During the question and answer session, Dr. Ramakrishnan answered the audience's questions well and in detail. The feedbacks from audiences and participants showed that they liked the presentation and found themselves benefiting from it.*

*In conclusion, both seminars were on frontier research topics in communications and networking, with distinctive focus on applications to industry and possible future developments. Both presentations were very clear and inspiring. Feedbacks from the audiences and participants were very good, which showed that the seminars were well organized.*

**Written by Prof. Cheng Tee Hiang**  
**Singapore ComSoc Chapter Chair**

#### **Summary Report from Indonesia ComSoc Chapter**

*IEEE Communications Society (Comsoc), Indonesia Chapter has hosted a Distinguished Lecturer Tour (DLT) in October 2012. The program in the form of Seminar was held in three different universities, in Jakarta (DKI), Yogyakarta (Central Java) and Bandung (West Java). All of the seminars was attended by both student, lecturer and public participants from ICT related Industries, in Indonesia.*

*The first day was held in UNIVERSITAS PELITA HARAPAN (UPH), Jakarta – Indonesia.*

*The total attendances are about 178, consist of IEEE members 13, non-member 165, with academic sector about 80% and Industry about 20%.*

*In this seminar, the audience response is very active response and interactive, where there are several questions related to the topic asked to all of the speakers. The seminar was held on Thursday, 11 October 2012, 13.00 – 16.00 local time, at MYC Building, UniversitasPelitaHarapan, Karawaci Campus, Tangerang, Indonesia.*



*The second day was held in UNIVERSITAS GADJAH MADA (UGM), Yogyakarta - Indonesia  
The total attendances was about 175, consist of about 15 IEEE members (including Student member), 160 non-member, from Academic sector about 75% and Industry about 25%. In this seminar, audience responses are very active response, interactive and so many questions to be asked to the speakers. The seminar was held on Friday, 12 October 2012, from 09.00 to 16.30, local time. Seminar venue at University Center, UniversitasGadjahMada, Yogyakarta, Indonesia*

*The third day was held in Institute Teknologi Telkom (ITT), Bandung – Indonesia.  
The total attendances in this seminar was about 200, consist of IEEE members about 25 (including Student member) and non-member about 175, with participant from academic sector about 70% and Industry about 30%. In this seminar and talk show, audiences response are very active response and very interactive. The seminar was held on Saturday, 13 October 2012, 09.00 – 17.00 local time, with venue at Auditorium Gedung K, Kampus IT Telkom Bandung – Indonesia.  
In all the three different venues, the opportunity of member recruitment and retention is quite high. We suggest to continuing this DLT programs in the near future, with combination of Academic and Industrial lectures.*

**Written by Satriyo Dharmanto**  
**Indonesia ComSoc Chapter Chair**

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## **2012 AP DLT #10: 20 September – 1 October 2012**

**Lecturer: Narayan Mandayam**

Hosting Chapter	2012 Chapter Chairs
Bangalore ComSoc Chapter	Subir Saha
Pune ComSoc Chapter	Mandar Khurjekar
Hyderabad ComSoc Chapter	Deergha Rao Korrai



Prof. Narayan Mandayam has presented his technical presentations at the following locations:-

- 1. Bangalore – 21<sup>st</sup> September 2012 (Friday)**  
Topic: Network Coding as a Dynamical System
- 2. Pune – 24<sup>th</sup> & 25<sup>th</sup> September 2012 (Wednesday & Thursday)**  
Topic: Towards Green Techniques for Wireless Communications; Network Coding as a Dynamical System

### **3. Hyderabad – 26<sup>th</sup> September 2012 (Wednesday)**

Topic: Towards Green Techniques for Wireless Communications; Network Coding as a Dynamical System

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We would like to express our sincere gratitude to all the distinguished lecturers who have conducted the DLTs in our region this year.

We believe the DLT programs have brought substantial benefits to our members and potential members as they have deepened their technical knowledge through networking with the distinguished lecturers who are coming from diverse technical background and culture.

Not to be forgotten, we would also like to give a big thank you to all the AP Chapters for their hospitality extended to the ComSoc Distinguished Lecturers. We look forward to another exciting distinguished lecture tours in our Region next year!

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