

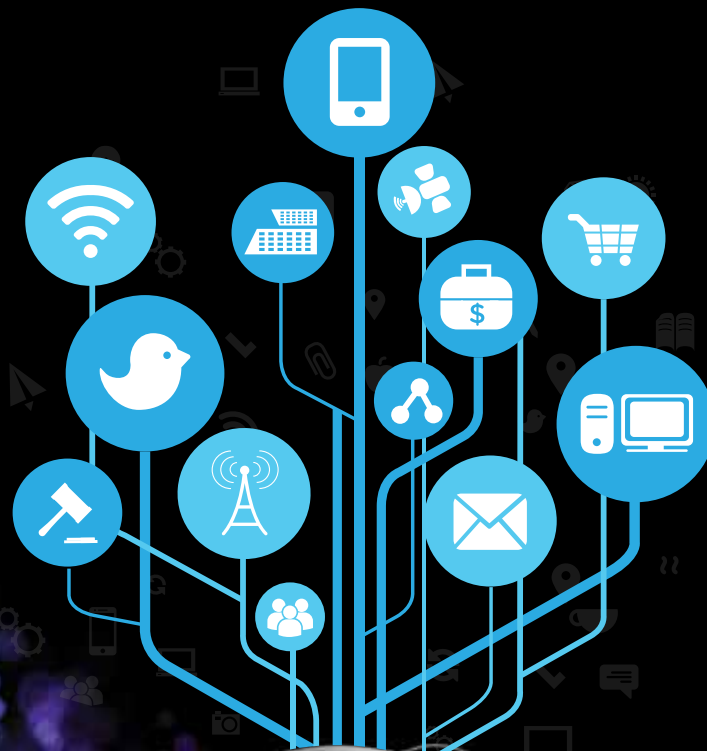
Organised by:

In collaboration with:



Chulalongkorn University
จุฬาลงกรณ์มหาวิทยาลัย

2017 CONVERGED TELECOMMUNICATIONS POLICY AND REGULATIONS (CTPR) MASTER CLASS FOR ASEAN COUNTRIES



Al Meroz Hotel, Bangkok, Thailand
18-22 September 2017



CONVERGED TELECOMMUNICATIONS POLICY
AND REGULATIONS (CTPR) MASTER CLASS
FOR ASEAN COUNTRIES





Foreword by

Prof. Datuk Dr. Ahmad Rafi Mohamed Eshaq

President/CEO, Multimedia University

Warmest Greetings from Multimedia University.

The 2017 Converged Telecommunications Policy and Regulations (CTPR) Master Class for ASEAN countries is a continuation of intellectual discourse to provide a professional platform that is designed by Multimedia University (MMU), GSMA and Malaysian Communications and Multimedia Commission (MCMC) in collaboration with National Broadcasting and Telecommunication Commission of Thailand (NBTC) and Chulalongkorn University (CU) in Bangkok.

The rapid pace of innovation in the global communications, ICT and mobile industries have brought connectivity to more people and as a result, industry stakeholders across the globe have had to constantly adjust to new challenges, business opportunities and threats. The Master Class is where industry stakeholders meet to learn and share invaluable experience and insights related to the fast changing landscape of converged telecommunications.

We are deeply honoured with the presence of reputable experts, to discuss and share knowledge related to the latest developments in the converged telecommunications space. May you have an enriching experience at this CTPR master class.

Yours sincerely





Foreword by

Tan Sri Dr. Halim Shafie

Chairman,
Malaysian Communications and Multimedia Commission

First and foremost, I would like to welcome all participants to this 2017 Converged Telecommunications Policy and Regulations (CTPR) Master Class for ASEAN Countries programme.

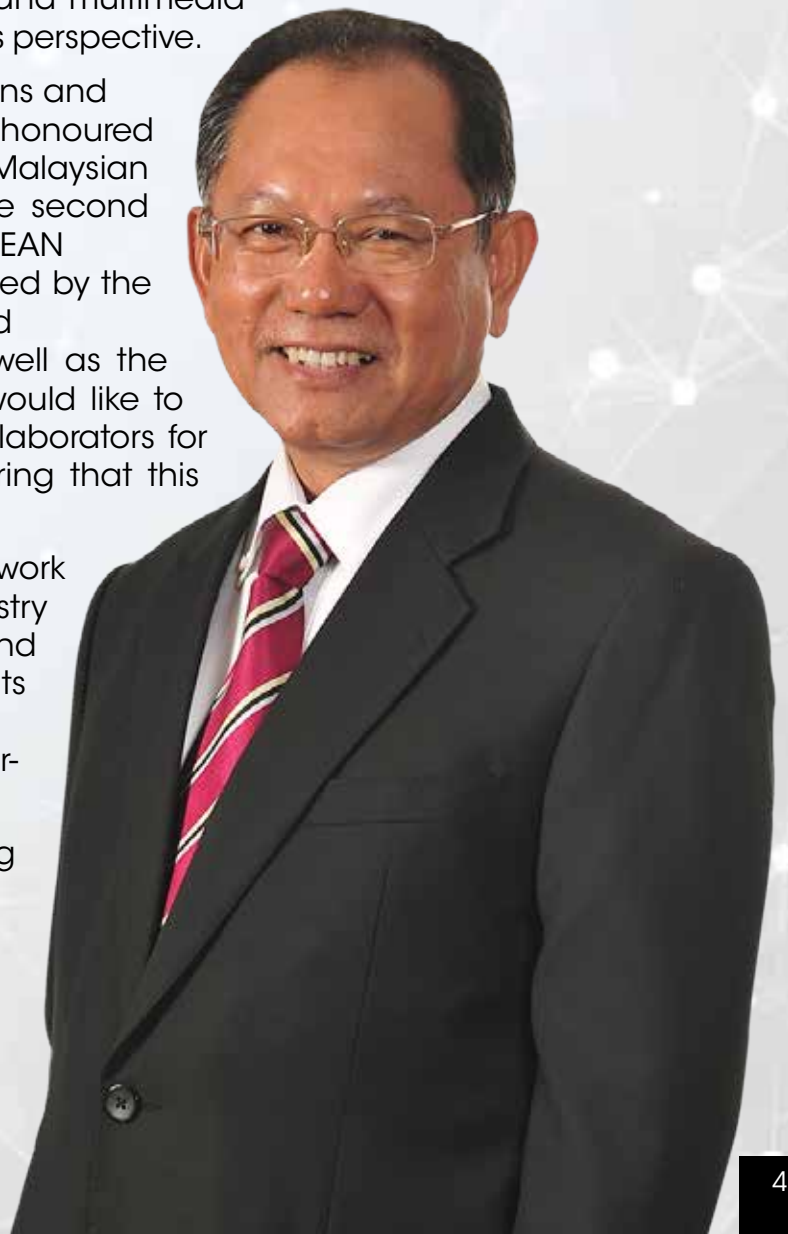
In line with the fifth strategic thrust of the ASEAN ICT Masterplan 2020 which focuses on human capital development, the 5-day programme is designed to provide an immersive experience for participants on the emerging issues, challenges and opportunities that is attributable to the convergence and revolution of the telecommunications and multimedia industry, from the policy and regulations perspective.

For 2017, the Malaysian Communications and Multimedia Commission is once again honoured to collaborate with GSMA and the Malaysian Multimedia University in organizing the second CTPR masterclass to be held with an ASEAN focus. This year in Bangkok, we are joined by the Office of the National Broadcasting and Telecommunications Commission as well as the reputable Chulalongkorn University. I would like to express my appreciation to all the collaborators for the support and contribution in ensuring that this programme will be a success.

With the international collaborative network of institutions, academics and industry experts being lined-up as speakers and panelists, it is hoped that the participants may take full advantage of their presence and actively participate during this programme.

I wish all the participants an enriching 5-day programme ahead.

Yours sincerely,





Foreword by

Mr. John Giusti

Chief Regulatory Officer, GSMA

The GSMA Capacity Building programme is delighted to once again be partnering with the Multimedia University of Malaysia and the Malaysian Communications and Multimedia Commission to deliver training in telecoms policy and regulation in the Asia Pacific region.

The GSMA is a global organisation representing over 800 mobile operators and more than 300 companies in the wider mobile ecosystem. The Asia Pacific region currently accounts for more than half of all mobile subscribers in the world. The rapid pace of mobile internet uptake continues across the region, with the broader mobile ecosystem now making an important contribution to economic growth as well as helping address a range of social and developmental issues.

We hope that this Masterclass, the first to be delivered in Thailand, will continue to support the positive development of the telecoms sector in the region. I wish all participants a successful and productive Masterclass.

Yours sincerely





Foreword by

Air Chief Marshal Thares Punsri

Chairman, National Broadcasting and Telecommunications Commission

The National Broadcasting and Telecommunications Commission of Thailand (NBTC) is honoured to collaborate with Malaysian Communications and Multimedia Commission, GSMA, Multimedia University and Chulalongkorn University in organizing the 2017 Converged Telecommunications Policy and Regulations (CTPR) Master Class for ASEAN.

Since, communications technology has changed rapidly more and more towards convergence side, the communications markets and regulations have to be adapted to meet with this new evolution. Therefore, the 2017 CTPR Master Class is well connected to the real world because the topics designed in the course are very timely, especially in Thailand where the issues of financial inclusion and over the top were discussed extensively.

I believe that this 5-day course will provide a good opportunity to learn from experts and also to build collaboration among participants and organizations. I wish the course a success and that our network will be strengthened in the future.

Your Sincerely,

Air Chief Marshal Thares Punsri
September 2017





Foreword by

Prof. Dr. Bundhit Eua-arporn

President, Chulalongkorn University

Digital Technology is disrupting our economy in many sectors, including telecommunication services and broadcasting industry. The fast changing pace of the technology leads to an explosive growth of new services and tech startups with new business models, set to transform the whole industry. This poses challenges to the policy making and regulatory role of the government, as well as the needs for network operators and service providers to adapt to the new reality. The Converged Telecommunications Policy and Regulations (CTPR) Master Class, a professional training program designed by MMU, GSMA and MCMC, provides a platform for learning about these key issues and exchanging views and experiences with government, industry and academic experts.

Chulalongkorn University is honored to be a local partner of CTPR Master Class 2017. With academic experts in various fields, such as engineering, economic, and communication arts, who have extensive experiences in working with the policy makers and regulators in telecommunication and broadcasting industry, I hope we can contribute to a vibrant discussion and enhanced learning experiences in the program.

I wish all participants a successful and thought-provoking master class.

Yours sincerely,





CONVERGED TELECOMMUNICATIONS POLICY AND REGULATIONS (CTPR) MASTER CLASS FOR ASEAN COUNTRIES

Industry landscape

Innovation in the global communications, ICT and mobile industry has brought connectivity to more people than ever before. For example, there are now 4.7 billion unique mobile subscribers around the world. But communications technology enables much more than connectivity — it empowers people through an ever-growing range of internet and mobile-enabled services. This trend is also accelerating the convergence of communications and content.

As a result, industry stakeholders across the globe have had to adjust to new challenges, business opportunities and threats. This means policy, regulations, codes of conduct, industry specifications and standards need to be revisited, enhanced or tweaked to better reflect these rapid changes. There is also the need for the skills sets, competencies and knowledge resource of industry stakeholders and practitioners to be refreshed in order to keep pace with these incessant changes. This is the driver behind the 'Converged Telecommunications Policy & Regulations (CTPR)' Master Class for ASEAN countries. This collaborative effort from the Multimedia University (MMU), GSMA and Malaysian Communications and Multimedia Commission (MCMC) is crafted to address the capacity needs of the globalised and converged communications, ICT and mobile industry.

About the CTPR Master Class

The 2017 CTPR Master Class is designed to offer mid to senior level executives in national regulatory agencies, relevant government ministries, telecommunication service providers, broadcasters, equipment manufacturers/vendors in the ASEAN countries and Asia Pacific Region, a holistic and up-to-date world view of all matters related to the converged telecommunications space. The 2017 CTPR Master Class for ASEAN countries is hosted in Bangkok, in collaboration with Chulalongkorn University and the National Broadcasting and Telecommunications Commission of Thailand.

This intensive, one-week programme brings together an international, collaborative network of academics, regulators and industry experts to highlight current global approaches to CTPR issues. Participants will be awarded a Certificate endorsed by all three parties – MMU, GSMA and MCMC.



Modules for the Master Class (1 week programme):

Converged Policy and Collaborative Regulations

Highlights the principles governing policy formulation, legislation and regulation. Also looks at innovative and collaborative approaches to current and future trends in international telecommunications law and policy, as well as global markets, government and regional regulations.

Managing Spectrum to Maximise Social and Economic Benefits

Explores the socio-economic impact of efficient and effective spectrum management. This will help delegates from the ASEAN region gain a holistic view of the value and impact of spectrum on national and regional development and sustainability.

Digital Business and Economics

The digital economy has critical and far reaching implications for nations, businesses and society. This module offers case studies and discussions on how disruptive technologies are reshaping business models and transforming businesses.

Emerging Technologies and Networks

Technology convergence is the underpinning layer that supports new directions in digital services. This module looks at the opportunities and challenges of digitisation, current trends in digital services, and presents insights on the future ramifications of technology and networks.

Smart Digital Nation, Cities and Communities

This module looks at a range of pertinent issues including encouraging the growth and development of IoT services, platforms for digital identity, financial inclusion, new directions in digital services and big data analytics.



Benefits that will be accrued by attending this master class

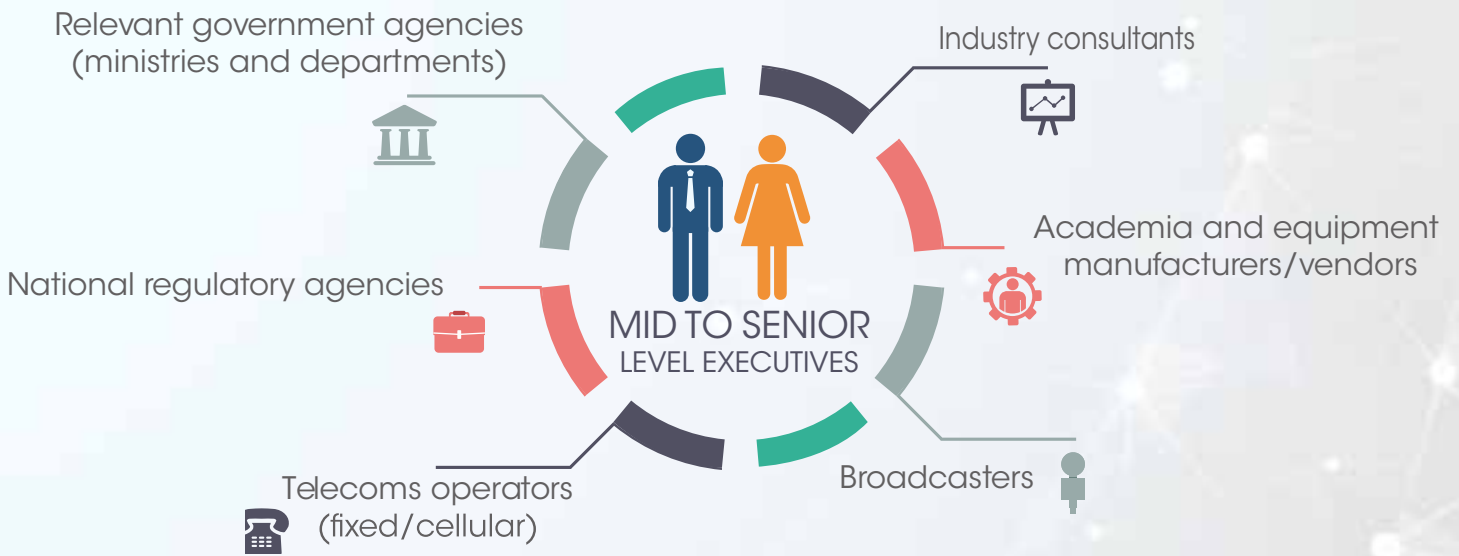
- | | | | |
|----------|---|----------|---|
| 1 | Exposure to latest global thinking on converged policy & regulatory matters | 3 | Exposure and understanding of the latest technological advances related to the industry and where it is heading |
| 2 | Better understanding of related global laws/ acts & regulations | 4 | Networking with noted local and international industry thought leaders |



Duration of CTPR Master Class

18- 22 September 2017 (Monday to Friday)

Who should attend?



Where will this programme be conducted

Al Meroz Hotel Bangkok



Address : Ramkhamhaeng Rd - Soi,
Khwaeng Suan Luang, Khet Suan Luang,
Krung Thep Maha Nakhon 10250,
Thailand

Phone : +66 2 136 8700

GPS : N13.7459755 / E100.6038783



About GSMA

The GSMA unites nearly 800 operators with with almost 300 companies in the broader mobile ecosystem, including handset and device makers, software companies, equipment providers and Internet companies, as well as organisations in adjacent industry sectors. The GSMA also produces industry-leading events such as Mobile World Congress, Mobile World Congress Shanghai and the Mobile 360 Series conferences. The GSMA's Capacity Building programme works with partner organisations to deliver high-quality training to students and regulatory professionals.

About Malaysian Communications & Multimedia Commission (MCMC)

MCMC implements and promotes the national policy objectives for the communications and multimedia sector in Malaysia. It is charged with overseeing the regulatory framework for the converging industries of telecommunications, broadcasting and online activities in accordance with the national policy objectives set out in the Communications & Multimedia Act 1998 (CMA). MCMC also has the responsibility for postal services and digital certification under the Postal Services Act and the Digital Signature Act 1997 respectively. The Act provides that MCMC undertakes a policy implementation role, while policy decision making is vested with the Minister.

About Multimedia University (MMU)

Established in 1996 as Malaysia's first private university, MMU offers a full range of undergraduate and postgraduate degree programmes in Law, ICT/IT, Creative Multimedia, Cinematic Arts, Engineering, Management, Business, Strategic Communication, Accounting, Banking and Finance across its three campuses in Malaysia. MMU hosts over 16,000 students, of whom over 1,200 are international students representing more than 70 countries. Currently, www.topuniversities.com ranks MMU as a Top 200 World University by Subject in Electrical and Electronic Engineering. In 2014, it ranked MMU as a Top 250 World University by Subject in Computer Science and Information Systems. The list also infers MMU as one of Asia's Top 10 Private University in Engineering and ICT/IT. Also in 2014, MMU was voted as one of Asia's best private educational institutions by World Consulting & Research Corporation (WCRC).

About The National Broadcasting and Telecommunications Commission (NBTC)

NBTC has been established under the Act on Organization to Assign Radio Frequency and Regulate the Broadcasting and Telecommunications Services 2010. It is the independent communications regulator of Thailand. Under the Act, its primary objectives are to manage radio frequency, regulate broadcasting and telecommunications sector. Moreover, it is also in charge of protecting consumers' rights, ensuring universal communication services, and promoting R&D. Even though, the Act stipulates that NBTC is independent, it works closely with related government agencies. NBTC is composed of 11 commissioners. They have a six-year term and work full time.

About Chulalongkorn University (CU)

Chulalongkorn University is Thailand's first institution of higher learning. Established in March 1917 by King Vajiravudh (Rama VI), the university was named after his father, King Chulalongkorn (Rama V), who laid the foundation for modern education in Thailand. In keeping with the shared vision of both kings, Chulalongkorn University has earned its reputation as an institution for academic excellence, where nearly a century of honorable tradition is perfectly combined with modern fields of study. In 2016, we were ranked 252nd among the world's top 2,000 universities in the Quacquarelli Symonds (QS) World Ranking and 1st in Thailand in QS University Rankings: Asia for 2016. Chulalongkorn University has grown into a leading global university with over 39,000 Thai and international students, including approximately 26,000 undergraduates and 13,000 postgraduates, across 19 faculties and 16 colleges and research institutes.



CONVERGED TELECOMMUNICATIONS POLICY AND REGULATIONS (CTPR) MASTER CLASS FOR ASEAN COUNTRIES

DAY 1 : Monday, 18th September 2017

MODULE : Converged Policy & Collaborative Regulations

TIME	PROGRAMME	SPEAKERS/PANELISTS
08.30 - 09.00 am	Registration	
09.00 - 10.00 am	Opening Ceremony	NBTC Chairman; CU President; MCMC - Chief Officer Corporate Strategy ; GSMA- Head of Public Policy ; MMU – Vice President Academic & Internationalisation; participants; speakers and invited guests
10.00 – 10.30 am	Coffee Break	
10.30 – 11.30 am	Converged Telecommunications Policy and Regulations	Assistant Professor Dr. Thawatchai Jitrapanun Commissioner, National Broadcasting and Telecommunication Commission (NBTC), Thailand
11.30 - 12.30 pm	Emerging Trends and Perspectives in Policy and Regulations	Ms. Emanuela Lecchi, Head of Public Policy, GSMA, Asia Pacific (Hong Kong)
12.30 – 02.00 pm	Networking Lunch	
02.00 - 03.30 pm	Panel Discussion: Economic, Social, Competition and Access Policy & Regulations in the Digital Economy	Moderator: Dr. Supot Tiarawut, Advisor to the President, Chulalongkorn University (CU), Thailand Panellist: <ul style="list-style-type: none"> ▪ Dr. Pratompong Srinuan, Director, Telecommunications Market Affairs Division, NBTC, Thailand ▪ Dr. Ir. Agung Harsoyo, Commisioner, Indonesian Telecommunication Regulatory Authority (BRTI) ▪ Ms. Nur Sulyna Abdullah, Chief Officer Corporate Strategy, Malaysian Communications and Multimedia Commission (MCMC), Malaysia ▪ Assistant Professor Dr Pirongrong Ramasoota, Vice President for Social Outreach and Global Engagement, CU
03.30 – 03.45 pm	Tea Break	
03.45 - 04.45 pm	Security, Trust and Digital/ Mobile Identity	Mr. Gabriel Solomon, Chairman, United Kingdom Telecommunication Academy
07.00 – 09.00 pm	Reception Dinner	NBTC, Thailand



DAY 2 : Tuesday, 19th September 2017

MODULE : Managing Spectrum to Maximize Social and Economic Benefits

TIME	PROGRAMME	SPEAKERS/PANELISTS
08.30 - 09.00 am	Registration of Attendance	
09.00 – 10.15 am	Spectrum Economics – Using Spectrum for Socio-Economic Benefits	Mr. Aamir Riaz , Programme Officer, International Telecommunications Union (ITU), Jakarta
10.15 – 10.45 am	Coffee Break	
10.45 – 12.00 noon	Spectrum Management - optimizing resources for better quality of experience	Mr. Gabriel Solomon , Chairman, United Kingdom Telecommunication Academy
12.00 - 01.30 pm	Networking Lunch	
01.30 – 03.00 pm	Future Spectrum	Mr. Niall Magennis , Content Director, GSMA United Kingdom
03.00 – 03.30 pm	Tea Break	
03.30 – 05.30 pm	<u>Workshop:</u> Spectrum Auction	Dr. Pacharasut Sujarittanonta , Auction and Market Design, Faculty of Economics, Chulalongkorn University (CU), Thailand
07.00 – 09.00 pm	Dinner Talk	Telekom Malaysia Berhad, Malaysia



DAY 3 : Wednesday, 20th September 2017
MODULE : Emerging Technologies and Networks

TIME	PROGRAMME	SPEAKERS/PANELISTS
08.00 - 08.30 am	Registration of Attendance	
08.30 – 09.30 am	Network and Technology Trends	Assoc. Prof. Dr. Chaodit Aswakul, Wireless Network & Future Internet Research Unit, Faculty of Engineering, CU, Thailand
09.30 – 09.45 am	Coffee Break	
09.45 – 11.00 am	5G and Beyond	Mr. Gabriel Solomon, Chairman, United Kingdom Telecommunication Academy
11.00 am – 12:15pm	IoT	Mr. Niall Magennis, Content Director, GSMA United Kingdom
12.15 – 02.00 pm	Networking Lunch	
02.00 – 4.00 pm	Workshop: Use Cases on <ul style="list-style-type: none"> • IoT Networks • IoT Network Road Map • IoT Network Ecosystem and Services • Deployment Applications 	Mr. Gabriel Solomon, Chairman, United Kingdom Telecommunication Academy Mr. Niall Magennis, Content Director, GSMA United Kingdom
4.00 - 4.30 pm	Tea Break	



DAY 4 : Thursday, 21st September 2017
MODULE : Digital Business and Economics

TIME	PROGRAMME	SPEAKERS/PANELISTS
08.30 - 09.00 am	Registration of Attendance	
09.00 – 10.00 am	Dialogue Session Digital Economy and Beyond	<p>Prof. Dr. Murali Raman, Director of MMU Business School, Multimedia University (MMU), Malaysia</p> <p>Mr. Venkateswara Rao Appalanayudu, Solutions Marketing Director, Southern Pacific Region, Huawei Technologies</p> <p>Mr. Tan Kuan Thye, NICT Marketing Director, Huawei Technologies (Malaysia) Sdn. Bhd., Malaysia</p>
10.00 – 10.15 am	Coffee Break	
10.15 – 11.15 am	Business Strategy for the Digital Economy	Mr. Steven Soon, Vice President, Public and Regulatory Affairs for Asia Region, Telenor Group, Thailand
11.15 - 12.15 pm	Panel Discussion Innovating Business for Optimal Results – New Business Model	<p>Moderator: Professor Pijitra Tsukamoto, Head of Thai Media Policy Research Unit, Faculty of Communication Arts, CU, Thailand</p> <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Mr. Mahisorn Wongphati, CEO of HG Robotics Co. Ltd., Thailand ▪ Mr. Kla Tangsuwan, Managing Director, Thoth Zocial Co. Ltd., Thailand ▪ Ms Elaine Lockman, Co-Founder ATA PLUS Sdn Bhd, Malaysia Mr. Martin Toft Sorensen CEO, Helpster Co.Ltd., Thailand.
12.15 - 01.15 pm	Mobile Money and Financial Inclusion	Mr. Niall Magennis, Content Director, GSMA United Kingdom
01.15 – 02.30 pm	Networking Lunch	
02.30 – 06.00 pm	Industry Visit to AIS Theme: Digital Marketing	NBTC (Tour Leader)



DAY 5 : Friday, 22nd September 2017

MODULE : Smart Digital Nation, Cities and Communities

TIME	PROGRAMME	SPEAKERS/PANELISTS
08.00 - 08.30 am	Registration of Attendance	
08.30 – 09.30 am	Transformation for SDNCC	Mr. Ong Tong San, Cluster Director, Competition and Resilience Development, Info-communications Media Development Authority (IMDA) of Singapore
09.30 – 09.45 am	Coffee Break	
09.45 – 10.45 am	Digital Thailand	Dr. Pansak Siriruchatapong, Vice Minister for Digital Economy and Society Ministry Digital Economy and Society, Thailand
10.45 am – 12.45 noon	<u>Panel Discussion:</u> New Directions in Smart Services for ASEAN Countries	Moderator: Prof. Dr. Murali Raman, Director of MMU Business School, MMU, Malaysia Panellist: ▪ Mr. Ong Tong San, Cluster Director, Competition and Resilience Development, IMDA, Singapore ▪ Assistant Prof. Pakdee Manaves Deputy Secretary-General of Broadcasting of the Office of the NBTC, Thailand ▪ Mr Nguyen Hong Quan, Head, IT & Business Application, Ministry of Information and Communication, Vietnam ▪ Dato' Mohd Ali Hanafiah Mohd Yunus Chief Officer Communications and Digital Ecosystem Sector, MCMC, Malaysia
12.45 noon – 02.00 pm	Lunch Break & Friday Prayer	
2.00pm – 03.30 pm	<u>Workshop:</u> Big Data Analytics- Use Cases on Monetization and Innovation	Prof. Dr. Ho Chin Kuan, Dean, Faculty of Computing and Informatics, MMU, Malaysia
03.30 – 04.00 pm	Encapsulation	Mr. Niall Magennis, Content Director, GSMA United Kingdom
4.00 – 5.00 pm	Closing Ceremony and Presentation of Certificates	CU, NBTC , MCMC, GSMA, MMU, Participants, Speakers and Guests
5.00 pm	Hi-Tea	



INDUSTRY VISIT



Why AIS

AIS is constantly moving forward to ensure that it always brings the highest quality and most up-to-date mobile and fixed broadband including digital services to power your modern lifestyle and satisfy everybody's different needs perfectly.



Welcome to the digital life. A better life with more opportunities.

LIVE DIGITAL, LIVE MORE

AIS TOWER 1

414 Phaholyothin Rd., Phayathai,
Bangkok 10400
Tel : +662-029-5000
E-mail : Enquiry@ais.co.th

AIS TOWER 2

1291/1 Phaholyothin Rd., Phayathai,
Bangkok 10400
Tel : +662-029-5000
E-mail : Enquiry@ais.co.th

<http://www.ais.co.th/aboutais/en/>



DAY 1: Monday, 18 September 2017



Assistant Professor Dr. Thawatchai Jitrapanun
Commissioner, National Broadcasting and
Telecommunication Commission (NBTC), Thailand

Assistant Professor Dr Thawatchai Jittraoanun is currently a Commissioner at the National Broadcasting and Telecommunication Commission. He is also a Professor of Faculty of Economics, Chulalongkorn University, Professor of Finance, Faculty of Economics, Chulalongkorn University; Special Professor of Doctoral Program of Finance (Financial Economics), NIDA; Special Professor of Doctoral Program (Finance Economics) for the Joint Doctoral Program in Business Administration (JDBA); Chulalongkorn-NIDA-Thammasat Universities; Special Professor of Finance in Business Administration Program of private and public universities. He has also been Chairman of the BA Program in Economics (International Program), Faculty

of Economics, Chulalongkorn University; Chairman of the Centre for Labour Development, Faculty of Economics, Chulalongkorn University; Director of the Computer Service Centre, Faculty of Economics, Chulalongkorn University; Managing Committee for the Master of Science in Technopreneurship and Innovation Management, Graduate School-Interdisciplinary Program, Chulalongkorn University; Member of Chulalongkorn University Faculty Senate . He received his Doctor of Philosophy in Business Administration (Ph.D.), (Finance) , University of Alabama ,USA; Master of Business Administration (Finance), Georgia State University, USA and Bachelor of Engineering (Mechanical Engineering), Chulalongkorn University, Thailand



Ms. Emanuela Lecchi
Head of Public Policy, GSMA, Asia Pacific (Hong Kong)

As Head of Public Policy, APAC, Emanuel leads teams based in the GSMA's Hong Kong and Delhi offices. These public policy teams engage with governments and regulators in the region, identify opportunities for mobile operators, and work with operators to ascertain ways they can improve the lives of the citizens and businesses they serve. Previously Emanuela served as Head of Competition at the GSMA, where she closely tracked developments in competition law and regulation. Prior to joining the GSMA, she worked for leading law firms in London. In these roles she advised on the first 3G infrastructure sharing agreement between O2 and T-Mobile in the UK as well as the very first mobile call termination inquiry. She has a Masters in Information Technology and Telecommunications Law and an MSc in Economic Regulation and Competition



DAY 1: Monday, 18 September 2017



Dr. Supot Tiarawut
Advisor to the President,
Chulalongkorn University (CU), Thailand

Dr. Supot Tiarawut is Advisor to the President, Chulalongkorn University and Director of Industrial Liaison Program (ILP), Faculty of Engineering, Chulalongkorn University. He is also a Board Member of Thai Media Policy Research Unit at the same university and Secretary General of Telecommunications Association of Thailand under the Royal Patronage.

Dr. Supot has more than 20 years of experiences in telecommunications and ICT industry. He joined TT&T PCL. in 1995 and became Senior Vice President of Corporate Strategy Group and Product Development Group and President of TT&T Subscriber Services Co., Ltd., its broadband internet subsidiary.

From 2007 to 2011, he was the Director of Telecommunication Research and Industrial Development Institute (TRIDI), National Broadcasting and Telecommunications Commission (NBTC). Later, he joined Chulalongkorn University as Assistant to the President, in charge of Information Technology and Strategy.

Dr. Supot received his B.Eng. (First class honor) in Electrical Engineering from Chulalongkorn University, M.Eng. in Computer and Information Sciences from Toyohashi University of Technology and Dr. Eng. in Electronic Engineering from the University of Tokyo, Japan.



Dr. Pratompong Srinuan
Director Telecommunication Market Affair Division
National Broadcasting and Telecommunications
Commission (NBTC), Thailand

Pratompong Srinuan received Ph.D. in technology management and Economics from Chalmers University of Technology in Sweden. He also held bachelor and master degree in Economics. He now serves as a division director at department of telecom policy and resource management of the office of the national broadcasting and telecommunications commission (NBTC) in Thailand. His main responsibilities focus on ex-ante regulations in telecom service industry such as defining telecom market definition, designating a significant market power player, approving merger and acquisition submissions, and monitoring the level of competition in Thai telecom markets. He has experience in various issues at the telecom regulator.

His recent experience includes designing spectrum auctions and spectrum valuation for 1800 MHz and 900MHz where organized in 2015, drafting and implementing the notification on telecom administrative fines, drafting telecom master plan 2017 - 2020, and drafting notification on spectrum refarming.

DAY 1: Monday, 18 September 2017



Dr. Ir. Agung Harsoyo
Commisioner, Indonesian Telecommunication Regulatory Authority (BRTI), Indonesia

Dr. Agung Harsoyo received his doctorate in the field of Optical Signal Processing from the Universite de Bretagne Sud (UBS), France in 2003 under the supervision of Prof. Pierre Pellat-Finet. In 1996 he graduated with his M.Eng. in Signal Processing on Telecommunication from Ecole Nationale Supérieure des Telecommunications de Bretagne (Telecom Bretagne), France, and M.Sc. in Optoelectronics from the Université de Bretagne Occidentale (UBO), France. In 1993 he received his Engineer (Ir.) in Telecommunication from the Department of Electrical Engineering, Institut Teknologi Bandung (ITB), Indonesia. From 1993 – now, he has been a lecturer and researcher at the School of Electrical Engineering and Informatics ITB, in Electromagnetic Applications, Signal Processing Systems, Telecommunication Systems and Networks, and Information Technology. Now, he is a commissioner at Indonesia Telecommunications Regulatory Authority (BRTI).



Ms. Nur Sulyna Abdullah
Chief Officer Corporate Strategy,
Malaysian Communications and Multimedia Commission (MCMC), Malaysia

Nur Sulyna Abdullah is the Chief Officer of Corporate Strategy for the Malaysian Communications and Multimedia Commission (MCMC).

She joined MCMC in 2000 and has helmed International Affairs since 2001. In her current position, she is responsible for International, Legal and Prosecution, Policy and Strategy as well as Strategic Communications.

She has held various positions on the international front. Currently, she is the Chair of the APEC Ad Hoc Steering Group on the Internet Economy and Honorary Advisor to the ASEAN ICT

Centre.

Sulyna holds an LL.B (Hons.) from the University of London and is an Advocate and Solicitor of the Malaysian Bar.



DAY 1: Monday, 18 September 2017



Assistant Professor Dr Pirongrong Ramasoota
Vice President for Social Outreach and Global Engagement,
Chulalongkorn University (CU), Thailand

Assistant Professor Dr. Pirongrong Ramasoota is Vice President for Social Outreach and Global Engagement, Chulalongkorn University. She has been the Director of the Thai Media Policy Center (Thai MPC), which is a research unit specializing in issues related to media law and regulation at the Faculty of Communication Arts, Chulalongkorn University in Bangkok, where she has taught for the past 20 years. Apart from teaching, she has actively participated in several endeavours related to media reform, including being commissioner in the tabling of the country's first Public Television law and the Frequency Allocation and Communications Regulation law. She completed her Ph.D. in communication studies from Simon Fraser University in Vancouver, Canada, under the Canadian

International Development Agency (CIDA) scholarship. Her research interests include media policy and regulation, social implications of ICTs, and media and democratization, and information privacy.



Mr. Gabriel Solomon
Chairman, United Kingdom Telecommunication Academy

Gabriel has more than 25 years international experience of the communications industry. He currently serves as Chairman of the United Kingdom Telecommunication Academy, which provides academic and vocation training world wide, and acts as an independent consultant and advisor to businesses and regulatory agencies. Previously Gabriel spent a decade working with the mobile industry to develop and promote policies that support sustainable and affordable connectivity solutions. As Vice President, Public Policy at the GSMA, he built a comprehensive portfolio of policy and regulatory strategies and led advocacy initiatives partnering, when appropriate, with multilateral institutions such as the ITU and World Bank as well as national regulatory authorities. Gabriel led multiple campaigns focused on achieving investor friendly regulatory

outcomes in Brussels and Washington DC. He also established the GSMA's reputation in many emerging markets, particularly in Asia and sub-Saharan Africa. Earlier in his career, Gabriel worked for high growth technology companies and established the first cloud based virtual telephony solution in South East Asia. Gabriel has broad functional expertise having worked in management consulting, finance and several entrepreneurial ventures. He has a MBA from INSEAD.



DAY 2: Tuesday, 19 September 2017



Mr. Aamir Riaz
Programme Officer,
International Telecommunications Union (ITU), Indonesia

Mr. Aamir Riaz is a Programme officer in International Telecommunication Union (ITU) and is currently team member of its Regional Office for Asia and the Pacific.

In-line with the Global Objectives of ITU and Regional Initiatives of Asia-Pacific region, he has been working on development of ICTs in the region through country specific actions, sub-regional and regional activities across the region. He has implemented several initiatives and projects in partnership and collaboration with international/regional organizations like ASEAN, APT, PIRRC, GSMA etc.; Administrations including, MSIP-Korea, DoC-Australia, SRMC-China etc.; industry including Intelsat, Nokia, Forum Global, Ericsson etc. and academia.

Mr. Aamir is currently involved in ITU development activities particularly on areas related to telecommunication policy, regulations and strategies with emphasis on issues related to Spectrum.

Prior to joining ITU in 2013, he had been working in ictQatar (now CRC Qatar) from 2010 to 2013 as National Spectrum Manager where he implemented several regulatory and Strategic planning initiatives. From 2007 until 2010, he performed his duties as Assistant Director in Strategy and Development department of the Pakistan Telecomm Authority.

Mr. Aamir is an Electrical Engineer from National University of Science and Technology (NUST) Pakistan and has an advanced degree in Radio-communication from École Supérieure d'Électricité (SUPÉLEC) France.



Mr. Niall Magennis
Content Director, GSMA United Kingdom

Niall works with subject matter experts within the GSMA to develop and manage the content for all of the GSMA's Capacity Building training courses. He also serves as a trainer for courses on Mobile for Socioeconomic Development and the Internet of Things.

Further to this, Niall compiles and edits the GSMA's Mobile Policy Handbook, the publication which details all of the GSMA's public policy positions. Before joining the GSMA, Niall worked as a freelance journalist covering developments in the technology sector for many of the world's leading magazines and newspapers. He holds a BA in Journalism, Film and Broadcasting from the University of Wales.



DAY 2: Tuesday, 19 September 2017



Dr. Pacharasut Sujarittanonta
Auction and Market Design, Faculty of Economics,
Chulalongkorn University (CU), Thailand

Pacharasut (Pat) Sujarittanonta is Assistant Professor at Faculty of Economics, Chulalongkorn University and Principal at Cramton Associates. His areas of expertise are auction design and antitrust.

Sujarittanonta has extensive experience on auction strategy and design in over 10 countries. He has provided advice on spectrum auction strategy to wireless carriers in US, Canada, UK, India, Germany, Italy and Portugal. Sujarittanonta has involved in the design of spectrum auctions in UK, Australia and Canada. He also has experience in analyzing other auction markets such as durable medical equipment, wind tract and rough diamond auctions. In his antitrust practice, he has conducted simulation to assess competitive effects of mergers and analyzed anti-competitive bidding behavior in major wholesale electricity markets. He works on auction design have been published in top peer-reviewed journals.

Sujarittanonta received Ph.D. in Economics from the University of Maryland and earned M.A. in Economics and Finance and B.Eng. in Computer Engineering from Chulalongkorn University.

Sujarittanonta received Ph.D. in Economics from the University of Maryland and earned M.A. in Economics and Finance and B.Eng. in Computer Engineering from Chulalongkorn University.

DAY 3 : Wednesday , 20 September 2017



Assoc. Prof. Dr. Chaodit Aswakul
Wireless Network & Future Internet Research Unit,
Faculty of Engineering,
Chulalongkorn University (CU), Thailand

Dr Chaodit Aswakul obtained the Bachelor of Engineering degree (1st-class honours) in Electrical Engineering from Chulalongkorn University, Thailand in 1994 and the Ph.D. degree in communications networking from Imperial College of Science, Technology and Medicine, University of London, United Kingdom in 2000. He is currently an associate professor in Electrical Engineering at Chulalongkorn University. He is serving as the chairman of postgraduate study committee at the Department of Electrical Engineering, Chulalongkorn University. And he is leading the Wireless Network and Future Internet Research Unit at the university. His research interests include

software-defined networking, next generation telecommunication network analysis and design, internet of things, building energy management system and traffic flow management in intelligent transportation system. For the Thailand's telecommunication and broadcasting regulator, he served as the manager of next-generation network (NGN) trial project in Phuket city; the project leader in the USO-based learning centre initiative; and the chairman of committee responsible for issuing the regulatory telecommunication law for voice/data quality of services in Thailand. He served as the secretariat of the board of director for Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI) Association of Thailand. And he served in technical committee for several international academic conferences as well as the Thailand's liaison for the OpenFlow@TEIN internationally collaborative project. Dr Chaodit was the scholarship recipient of the Ananda Mahidol Foundation, Thailand, in 1995.



DAY 4: Thursday, 21 September 2017



Prof. Dr. Murali Raman
Director of MMU Business School,
Multimedia University, Malaysia

Prof Murali is a certified in DT by d.School of Stanford University. He is also certified in Directive Communication Psychology and is an NLP Certified Practitioners. He has an MBA from Imperial College, London, and a MSC (HRM) from London School of Economics, UK. His PhD (Information Systems Management) is from School of IS and IT, Claremont California, USA. Prof Murali has more than 15 years of corporate training, teaching and research experience. He is a Rhodes Scholar and Fulbright Fellow. Prior to his academic role, Prof. Murali worked for Maybank (2 years) and Accenture Consulting (4 years). He has published more than 90 papers in International Journals and

Conference Proceedings in the area of Information Systems. His expertise is in the area of Digital Economy and Information Management. Professor Murali Raman is currently the Director of MMU Business School—an entity of MMU positioned to leapfrog MMU into the Corporate Executive Training, Development and Consultancy. He can be reached at murali.raman@mmu.edu.my



Venkateswara Rao Appalanayudu
Solutions Marketing Director, South Pacific Region, Huawei

Rao brings over 20 years of telecom operator experience working in South East Asia Region. Having worked in more than 5 countries, he was successful in building and leading large project organizations to design deploy and operate robust mobile and fixed networks across large geographical areas. Exceptional at breaking down operational strategies into tactical plans and processes to achieve maximum results. In-depth experience in Program Management specializing service provider areas on Go To Market Strategy, Service Fulfillment, Managed Services, Network Sharing, Rollout Implementation, Engineering and Operations.

Prior to joining Huawei, some of his key roles were SVP for PT Smartfren, Program Director for Maxis, Head of Network Sharing DiGi and Head of Operations in PT Axis.

Rao holds a Masters Degree in Business Administration from University of Strathclyde and Bachelor's in Electrical Engineering from National University of Malaysia.

DAY 4: Thursday, 21 September 2017



Tan Kuan Thye (KT)
Strategy Marketing Director, South Pacific Region, Huawei

KT brings over 17 years of telecom operator experience, focusing on enterprise business modeling and services enablement for Operators' Business Group. He was successful in creating impactful business opportunities and new revenue streams for vertical markets through the development of digital data eco-solution partnership. Exceptional at breaking down operational strategies into tactical plans and processes to achieve maximum results. In-depth experience in Program Management specializing in Telecommunications Go To Market Strategy, strategic collaboration, business solution innovation, Service Fulfilment, Managed Services development.

In Huawei, KT is responsible to create strategy and action plans for countries in south pacific region, focusing in Nation

ICT Development. Global economy is being transformed and national ICT is pivotal to this economy transformation and enable a sustainable and competitive nation development.

Prior to joining Huawei, he worked as Head of Strategic Collaboration for Celcom Axiata, Product Development Lead in Maxis and Business Development role in HPE.

KT holds a Masters degree in Business Administration at Management & Science University, and has a degree in Telecommunication Engineering from Multimedia University.



Elain Lockman
Co-Founder and Director, Ata Plus Sdn Bhd, Malaysia

Elain is a Co-Founder and Director in Ata Plus, a Malaysian licensed Equity Crowdfunding platform. Upbeat and optimistic, she believes nothing is impossible and all challenges are just another form of opportunities. This proves to be the fuel in her 23-year career in the areas of management, business strategy, human resource, business development, relationship management, marketing and corporate communications. She has served notable organisations, namely Petronas, MDeC, Malaysia Debt Ventures, DiGi Telecommunications and Packet One Networks. She currently sits on the Board of Western Union Payments Malaysia and the Chairman of Western Union Internal Audit Committee, while being actively involved in the start-up community, advising entrepreneurs in funding, strategy and

operations. Elain is instrumental in establishing Ata Plus' partnerships, deal screening and operations framework. Elain graduated from the London School of Economics with a BSc in Actuarial Science and MSc in Operational Research.



DAY 4: Thursday, 21 September 2017



Mr. Steven Soon
**Vice President, Public and Regulatory Affairs for Asia
Region, Telenor Group, Thailand**

In this regional role, Steven works closely with Telenor and its Asia business units' senior management teams to review and address overall corporate affairs and stakeholders issues with the objective of creating a conducive environment for the continuous growth of Telenor Group's operation and investment in the Asia region. As a Group partner to the business units' CEOs and CCAOs, his main responsibilities is to strengthen the direction setting, competence development and the coordination of the Business Units vs. Group's corporate affairs agenda.

Prior to joining Telenor's regional office in Bangkok, Steven heads the Regulatory and Business Environment Department of DiGi responsible for DiGi's strategic regulatory direction, overall strategic stakeholder engagement and the daily regulatory operations and compliance to the local telecommunication industry environment.

From 2010-2011, Steven was seconded by DiGi to work with PEMANDU, an agency set-up by the Malaysia Prime Minister to drive and oversee the implementation of Malaysia's Economic Transformation Program. He had also spent several years in an integrated manufacturing facility supporting the company's senior management in various strategic and financial areas. Steven started his working career in consultancy with Andersen Consulting, KPMG Asia Pacific Consulting and Ericsson Malaysia.

Steven holds a Bachelor of Science degree in Aerospace Engineering with minor in Mathematics from Embry Riddle Aeronautical University, Prescott Campus, Arizona, USA. Steven had also attended several senior management courses conducted by NUS, INSEAD and London School of Economics during his past 10 years with Telenor/Digi



Mahisorn Wongphati
**Co-Founder of HiveGround Co. Ltd. and CEO HG Robotics
Company Limited, Thailand**

Mahisorn is Co-Founder of HiveGround Co. Ltd. and CEO at HG Robotics Company Limited. A robotics enthusiast, he pursued his Bachelor and Master's degree in the field of Computer Engineering at Chulalongkorn University. He then went on to pursue a Phd in Computer Science at Keio University on a Japanese Government Scholarship. His impressive resume includes development of inspection and agricultural drone, autonomous underwater vehicle, mobile robot, robotic arms, robot information and motion management system. An outdoor person, Mahisorn enjoys running, cycling, hiking, skiing and has even conquered the summit of Mt. Fuji three times.

DAY 4: Thursday, 21 September 2017



Professor Pijitra Tsukamoto
Head of Thai Media Policy Research Unit,
Faculty of Communication Arts,
Chulalongkorn University (CU), Thailand

Professor Pijitra Tsukamoto is the Head of Journalism, Department and Lecturer of Faculty of Mass Communication, Chulalongkorn University. She is the Director of Thai Media Policy Research Unit and Board member of the News Broadcasting Council of Thailand. She has been a columnist, for Krunthep-turakit Newspaper and the Matter. She has also been the Associate Dean of Faculty of Political Science at Thammasat University, Bangkok and Assistant Rector for Personnel and Legal Administration. She has been actively involved in research on Thailand Internet Governance; Big Data and Political Rumour in Thai Political Conflict; Effect of the Cool Japan Policy to Thai

Creative Industry: the Case Studies of Generation X. She has been a Consultant for Youth Financial Literacy in Thailand, Asian Development Bank and has 10 years of political news coverage in Thai Television Broadcasting. She has been instrumental in the National Media Roadmap on Public Broadcasting and Licensing of the Thailand Public Service Broadcasting.



Mr. Kla Tangsuwan
Managing Director, Thoth Zocial Co. Ltd. Thailand

Kla is Co-Founder and Managing Director of Thoth Zocial Co. Ltd. With a background in information technology, he speaks regularly on social media, social media big data, social monitoring and social listening, crisis monitoring and management as well as reputation and customer management. He is involved with consultancy work on social media analysis and strategy, and is committed in various internet-related professional associations in Thailand. Kla graduated from Thammasat University with a B.Sc in Information Technology and an MSc. Internet System Development from the University of Portsmouth, UK.



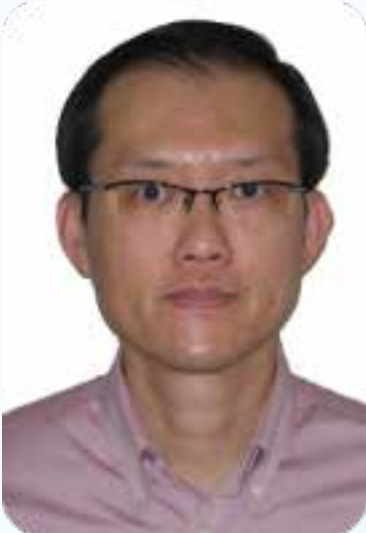
DAY 4: Thursday, 21 September 2017



Mr. Martin Toff Sorensen
CEO, Helpster Co. Ltd. Thailand

Martin Toff Sørensen is currently CEO Thailand of recruitment platform Helpster. Helpster is helping businesses fill urgent manpower needs by connecting them to a vast, flexible, prequalified, and on-demand workforce. Helpster is currently operating in Thailand and Indonesia and is planning further expansion during 2018. Prior to joining Helpster Martin Co-Founded Thailand-based WearYouWant.com back in 2011- one of Thailand's leading online marketplaces for fashion. Martin is also actively advising other startups in both Thailand and Singapore within the tech industry. Martin originates from Denmark, is 36 years of age and holds a Master Degree in International Relations.

DAY 5: Friday, 22 September 2017



Mr. Ong Tong San
Cluster Director, Competition and Resilience
Development, Info-communications Media Development
Authority (IMDA), Singapore

Mr Ong joined the Infocomm Development Authority of Singapore in 1992. He was part of the team that formulated policies and regulated the telecommunications industry in Singapore while it underwent liberalisation in phases from 1992 to 2000. He was also involved in formulating the regulatory frameworks for the Next Generation Nationwide Broadband Network.

Mr Ong is currently responsible for the licensing of operators of telecommunication systems and services, and the enforcement of regulatory policies and frameworks, such as quality of service framework. He is also responsible for enforcing the

Telecom Competition Code, which would include price regulation, consumer protection, merger and acquisition reviews, investigating unfair competition complaints and prescribing regulatory remedies.

Mr Ong has a Bachelor of Engineering (Honours) Degree from the Nanyang Technological University of Singapore, and a Masters in Business Administration from the National University of Singapore. He has a Postgraduate Diploma in EC Competition Law from King's College London.



Dr. Pansak Siriruchatapong
Vice Minister, Digital Economy and Society,
Ministry of Digital Economy and Society, Thailand

Dr. Pansak has more than 30 years' experience in the electronics and technology industry. He is currently the Vice Minister at the Ministry of Digital Economy and Society Thailand, with a vision to encourage all sectors to use digital technology to drive the country's economy and society. Dr. Pansak has an extensive portfolio in various governmental agencies and ministries including his previous postings at the Ministry of Information and Communication Technology, National Science and Technology Development Agency, National Electronics and Computer Technology Center (NECTEC), and Government Information Technology Services. Due to his passion for education and technology, he also sits on the council of Mahasarakham University, Kasetsart University and Rajamangala University of Technology Lanna a Senior Advisor. His tertiary education include a Bachelor and Master's degree in Electrical Engineering from Kasetsart University, as well as a Diplôme d'ingénieur at the prestigious Institute National Polytechnique de Grenoble, France.



DAY 5: Friday, 22 September 2017



Assistant Prof. Pakdee Manaves
Deputy Secretary-General of Broadcasting,
Office of the National Broadcasting and
Telecommunications Commission (NBTC), Thailand

DAY 05



Dato' Mohd Ali Hanafiah Mohd Yunus
Chief Officer Communications and Digital Ecosystem
Sector, Malaysian Communications and Multimedia
Commission (MCMC), Malaysia

Ali Hanafiah joined MCMC as early as May 2000 and has been designated various positions since then. Today, he leads the Communications and Digital Ecosystem Sector. Under this sector, focus areas include Infrastructure Development, Technology and Society, eCommerce and Postal, Digital Communities and Digital Services.

Work areas within Infrastructure Developments includes the planning for broadband rollout, wired and wireless and also Universal Service Provisioning (USP) initiatives.

The Technology and Society looks into Standards Development and new technologies and the role of society in supporting ICT today. eCommerce and postal involves the postal and courier ecosystem and incorporating eCommerce initiatives along the way.

Under Digital Communities this is where our Smart Communities initiatives is planned and rolled out with the collaboration with various agencies and entities. Digital services, a new area being worked on where eID, mobile payment systems, trust index and open data platform is worked on

DAY 05

DAY 5: Friday, 22 September 2017



Mr. Nguyen Hong Quan
Head, IT & Business Application,
Ministry of Information and Communication, Vietnam

Currently, Mr. Nguyen Hong Quan is Head of the IT application division of the Authority of IT Application (AITA), Ministry of Information and Communications (MIC). With 16 years of experience in the field of information technology, Mr. Quan has been in charge of various positions including to build regulations on pricing of software solutions, team leader of 30 feasibility study IT projects in administration area, lecturers in a some of training programs on management and Investment IT projects. At present, researching and proposing policies on smart city development in Vietnamese cities, supporting enterprises in applying new technologies such as IoT, is the main task of Quan. Mr. Quan holds a master's degree in Information Systems Engineering and has obtained a number of professional certificates in Project Management, Professional Certificates in Information Technology Systems Design and Implementation.



Prof. Dr. Ho Chin Kuan
Dean, Faculty of Computing and Informatics,
Multimedia University (MMU), Malaysia

Dr. CK Ho is a Professor of Computer Science at Multimedia University. He is also the Chairman of Multimedia University's Data Science Institute. He specialises in combinatorial optimization, machine learning and Big Data systems.

He has also been an ICT consultant over the past 15 years, bringing research into industrial practice. Dr. Ho has experience working with clients in numerous industries and government agencies where he led the design, development and delivery of solutions spanning the areas of IT master planning, network fault analysis, data analytics, policy and regulatory framework for ICT, and talent development.



Thank You



Platinum Sponsors



Silver Sponsors



<http://ctpr.mmu.edu.my>



CONVERGED TELECOMMUNICATIONS POLICY
AND REGULATIONS (CTPR) MASTER CLASS
FOR ASEAN COUNTRIES

