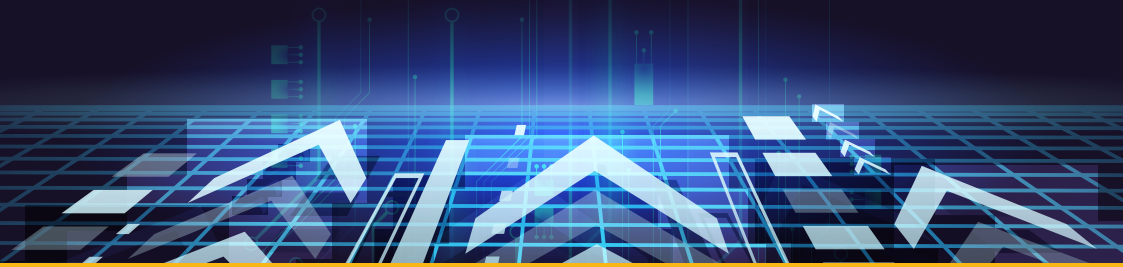
MALAYSIA ON THE CUSP OF HYPER-CONNECTIVITY

MCMC RESEARCH SYMPOSIUM

Thursday, 21 November 2019

Putrajaya Marriott Hotel

Putrajaya, Malaysia



Malaysian Communications and Multimedia Commission

ABOUT RESEARCH SYMPOSIUM

The one-day symposium is open to all interested parties comprising researchers and key stakeholders in private and public sectors.

For 2019, the theme of the symposium is "Malaysia on the Cusp of Hyper-connectivity". The theme is aimed at capturing the central thrust of a digitally connected, informed and inclusionary Malaysia and explores the implication of hyper-connectivity made possible by today's high speed 4G and fibre connectivity. It is anticipated that once higher speed fibre-based broadband becomes more widely available and 5G networks come online in the coming years, these networks will drive the further uptake of data analytics, an exponential rise of IOT devices and increased use and development of Artificial Intelligence (AI) based applications. These developments will have wide ranging implications on society which the symposium hopes to highlight.

During the symposium, a consideration of key issues relating to the implications of the digital age to society will be presented and discussed, taking into consideration on-going research activities related to the digital economy to understand gaps and towards achieving a clarity that will better prepare regulatory and policy approaches in keeping pace with these changes and towards achieving these aspirations. Considerations of digital literacy will be addressed within all presentations to highlight its role in upholding users' digital rights and safeguarding the wellbeing of the young and vulnerable while contributing to inclusive and equitable digital participation.

Symposium Objectives

- An overview of the evolution of the Communications and Multimedia ('C&M') landscape since the inception of MCMC and in anticipation of the Hyper-Connected age resulting from widespread C&M industry growth and critical 5G and National Fiberisation and Connectivity Plan ('NFCP)' rollouts as an enabler of Malaysia's journey towards a developed nation;
- A discussion on anticipated issues and the regulatory and collaborative approaches necessary in achieving the desired outcomes for national and societal challenges of the future; and
- Sharing of on-going and completed research from the research fraternity and identification and reinforcement of potential research areas for consideration.

AGENDA

8:30 am	Registration and Breakfast
9:00 am	Emcee's Address
9:05 am	**Welcoming Remarks** **Mr. Gerard Lim Kim Meng** | Chief Digital Officer, Malaysian Communications and Multimedia Commission
9:30 am	**Keynote 1 :** Where Do We Go from Here? Through the Wormhole to Year 2030 – Should We Maintain Our Current Approaches? **Dr. Peter Lovelock** | Director, Technology Research Project Corporate
10:15 am	Break
10:30 am	**Keynote 2 :** Human Rights and Artificial Intelligence – Implications for Technology, Policy and Governance **Mr. Sheikh Manzoor Ghani** | General Manager, Public Sector Group, Microsoft Malaysia
11:15 am	**Plenary Session 1 :** Cyber Security vs. Cyber Resilience – Knowing the Difference and Relevance in Strengthening the Digital Ecosystem **Ms. Shariffah Rashidah Syed Othman** | Director, Cybersecurity Policy and International Cooperation Division, National Cybersecurity Agency (NACSA), Prime Minister's Department
11:45 am	**Plenary Session 2 :** Pathways to Digital Resilience and Hyper-Connectivity Moderator : **Mr. Kamarul Bahrin Haron** | Deputy Editor-in-Chief, Astro Awani Panel Members : 1. **Mr. Sheikh Manzoor Ghani** | General Manager, Public Sector Group, Microsoft Malaysia 2. **Dr. Peter Lovelock** | Director, Technology Research Project Corporate 3. **Ms. Shariffah Rashidah Syed Othman** | Director of National Cyber Security Policy and International Cooperation, National Cyber Security Agency, National Security Council of Malaysia
1:00 pm	Lunch Break

AGENDA

2:00 pm **TRACK 1 - THE HYPER-CONNECTED AGE**
(Putrajaya Ballroom 1, Level ML, Putrajaya Marriott Hotel)

Session 1: ***How Our Online World is Shaping the Landscape of Today's Reality – A Discussion of the Hyper-Connected Human***

Moderator:
Prof. Dr. Kiranjit Kaur
Universiti Teknologi MARA

Panel Members:

1. **Ms. Rangsima Deesawade**
   Regional Coordinator for Southeast Asia, ECPAT International
   Evidence to Understand Online Child Sexual Exploitation and Abuse (OCSEA)

2. **Assoc. Prof. Dr. Moniza Waheed**
   Universiti Putra Malaysia
   Malaysian's Reaction to Provocative News Content

3. **Ir. Dr. Grace Lim Soo Yong**
   University of Nottingham Malaysia
   Educating the Hyper-Connected Students in an Internet Age

4. **Assoc. Prof. Dr. Ke Guek Nee**
   Heriot-Watt University Malaysia
   Cyber Wellness Inclusion and Sustainability of Malaysian Adolescents

TRACK 2 - LAW AND TECHNOLOGY
(Kuala Lumpur Room, Level 1, Putrajaya Marriott Hotel)

Session 1: ***Design and Accountability: Appraising Communications Technology through the Lens of Ethics, Society, and Values (Past, Present and Future)***

Moderator:
Assoc. Prof. Dr. Sridar Ramachandran
Universiti Putra Malaysia

Panel Members:

1. **Ms. Eulis Rachmatiah Iskandar**
   Head of Ethics and Privacy, Celcom Axiata Berhad
   Ethics and Privacy: Secure our Future and Safeguard our Brand

2. **Assoc. Prof. Dr Siah Poh Chua**
   Universiti Tunku Abdul Rahman
   Social Networking Sites Usage and Quality of Life among Malaysian Elderly

3. **Dr. Nur Kareelawati Abd Karim**
   Universiti Sains Islam Malaysia
   The Cultural Politics of Instafamous: How does Hyper-Connectivity Shape the Malaysian TV Industry?

4. **Dr. Jaspal Kaur Sadhu Singh**
   Help University
   Ethical Priniciples for AI: Pushing the Agenda for Adopting a Framework for Governance in Malaysia

3:30pm Break

AGENDA

3:45 pm **TRACK 1 - THE HYPER-CONNECTED AGE**
(Putrajaya Ballroom 1, Level ML, Putrajaya Marriott Hotel)

Session 2: ***How our Online World is Shaping the Landscape of Today's Reality – A Consideration of the hyper-Connected Government, Organisations and Businesses***

Moderator:
Dr. Yang Mee Eng
CEO, Digital Pathway (Thailand)

Panel Members:

1. **Assoc. Prof. Dr. Yap Kian Meng**
   Sunway University
   Hyper-Connected Haptics Technology for Visually Impaired in Human-Machine Collaboration

2. **Dr S B Goyal**
   City University Malaysia
   Assess Requirements to Apply Blockchain In Enterprises

3. **Mr. Mohamed Shafiq Mohamed Ayub**
   Universiti Teknologi MARA
   How Communication Technology Create Explosive Growth of Esports? A Systematic Literature Review on the Influence of Digital Media in Gamification and Youth's Satisfaction in Malaysian Esports Industry

TRACK 2 - LAW AND TECHNOLOGY
(Kuala Lumpur Room, Level 1, Putrajaya Marriott Hotel)

Session 2: ***Achieving Public Trust, Security, Participation and Regulation of the Internet. Cybersecurity: Appraising Communications Technology through the Lens of Regulation, Governance and Commerce (Past, Present, and Future)***

Moderator:
Mr. Muhammad Dawud Saifullah bin Fadlullah
Head of Systems and Information Security, Maxis

Panel Members:

1. **Mr. Darmain Segaran**
   HELP University
   Child Digital Privacy in Malaysia: Risks, Regulation And Solutions

2. **Dr. Mahyuddin Daud**
   International Islamic University Malaysia
   Combating Fake News Online: Exploring Australian Co-Regulatory Framework for Malaysia

3. **Dr Jaspal Kaur Sadhu Singh**
   HELP University
   Formulating the Legal Parameters for the Regulation of Online Falsehoods

4. **Dr. Nurul Nuha Abdul Molok**
   International Islamic University Malaysia
   Mitigating Leakage of Oragnizational Information in the Hyper-Connected Era: From the Perspectives of Managers and Employees

5:15pm Session Ends/Evening Tea

SPEAKERS' PROFILES

Keynote 1:

Where Do We Go from Here? Through the Wormhole to Year 2030 – Should We Maintain Our Current Approaches?

Abstract :
Session explores regulatory and collaborative approaches in addressing current issues and what needs to be put in place to achieve and innovate towards a future where the sum outcomes of ICT's beneficial socio-economic outcomes outweigh the risks of ICT.

Dr. Peter Lovelock

Director, Technology Research Project Corporate

Dr. Peter Lovelock is CEO and co-Founder of TRPC Pte Ltd, an IT and telecommunication-based think-tank with offices in Singapore, Hong Kong, and Australia. He brings more than 30 years of experience in telecoms, technology and media to these undertakings, including regulatory assessments, implementation and execution projects, and due diligence and market entry strategic guidance projects throughout Asia. TRPC provides in-depth research and consulting services to companies, as well as to institutions such as the World Bank, ITU, ASEAN, APEC, ADB, ISOC, ICANN, UNDP and UNESCAP, as well as for regulators regionally and globally.

In recent years, Peter has provided advice to governments and companies alike on digital enablement and digital transformation, including to ASEAN on its ICT Masterplan, and to APEC on the Internet and Digital Economy principles and roadmap; as well as authoring reports on global data networks and bandwidth developments, cross border data flows and the economic impacts of data localization, digital transactions, authentication and digital identity. Peter is a senior strategic advisor to several large technology companies and sits on the board of the International Institute of Communications (IIC), and TRPC provides Executive Director and Secretariat support to the Asia Cloud Computing Association (ACCA). Between 1999 and 2004 Peter built and ran China's leading IT research consultancy. Before that, Peter worked at the ITU in Geneva.

SPEAKERS' PROFILES

Keynote 2:

Human Rights and Artificial Intelligence – Implications for Technology, Policy and Governance

Abstract :
Keynote presentation on understanding the broad implications of AI on society and its implications on human rights and how to promote meaningful positive outcomes and simultaneously mitigate and address potential harm. Session explores how humanity can best navigate the transition to advanced AI systems and the economic, socio-political, governance and ethical dimensions which underpin this transition and implications for the research landscape.

Mr. Sheikh Manzoor Ghani
General Manager, Public Sector Group, Microsoft Malaysia

With over 28 years of working experience, Sheikh is a seasoned professional with practical experience and solid understanding of business management applications, including market analysis, sales and marketing, team building and quality assurance. His specialties ranges from performance-based solutions/applications (financial planning and budgeting, profitability management), Financial/Accounting systems (Sunsystems, Coda, SAGE, AccPac), and BI/DataWarehousing (IBM, Cognos, SAP/BO, SAS and Microsoft), among others. Sheikh Manzoor is a graduate of Business Studies and Finance from Northumbria University, Newcastle Upon Tyne, England.

SPEAKERS' PROFILES

Plenary Session 1:

Cyber Security vs. Cyber Resilience – Knowing the Difference and Relevance in Strengthening the Digital Ecosystem

Abstract:
Session presents working definitions of cyber security and cyber resilience and strategies for promotion and adoption incentivise enterprises to implement cohesive strategies incorporating security and resilience for adoption by SMEs. Session discusses research opportunities and parameters for consideration related to Communications and Multimedia.

Ms. Shariffah Rashidah Syed Othman
Director, Cybersecurity Policy and International Cooperation Division, National Cybersecurity Agency (NACSA) , Prime Minister's Department

Shariffah Rashidah has been serving the Government of Malaysia as an Administrative and Diplomatic Officer since 2004 where she was first posted to the ICT and Technical Division of the National Security Council of Malaysia and later to the Cyber and Space Security Division in 2006. Shariffah Rashidah has been one of the key personnel responsible in putting up the proposal to establish the National Cyber Security Agency (NACSA), a dedicated agency that oversees all national cyber security functions formed under the aegis of the National Security Council of Malaysia. With the establishment of the NACSA, she took the role of the Director for Policy, Awareness, and Capacity Building & International Cooperation, at the NACSA in August 2017. She is responsible to oversee the development and implementation of national cyber security strategy, national cyber security awareness master plan and establishes and coordinates national positions with regards to the cyber security.

SPEAKERS' PROFILES

Plenary Session 2:

Pathways to Digital Resilience and Hyper-Connectivity

Abstract:
Encapsulation and consideration of issues, approaches and risk landscape of morning presentations and implication for technology, policy and governance. Discussion of priorities, focus, challenges and opportunities in developing research networks to strengthen evidence to practice in policy-relevant research literature, combining research from diverse disciplines together with research conducted by industry and regulatory bodies while being cognizant of different regulatory contexts cross-nationally; different findings may be obtained and culturally-specific conclusions may be required.

Moderator

Mr. Kamarul Bahrin Haron

Deputy Editor-in-Chief, Astro Awani

Kamarul Bahrin Bin Haron is a multiple award winning TV journalist, editor and anchor Malaysia with 23 years of experience in reporting and producing news and current affairs content. Kamarul is currently the Deputy Editor in Chief for the 24 hours News and Current Affairs channel in Malaysia called Astro Awani. This bachelor of broadcasting graduate from Universiti Sains Malaysia in Penang goes live on prime time TV and web streaming every Monday to Friday discussing the latest and most relevant issues of the day in the evening prime talk show called Agenda Awani which after the last #GE14 is a new Malaysia special named 100 Hari Malaysia Baharu (New Malaysia: 100 days) His staple focus areas include civil society, political and government transformation, globalization, sustainability, innovation, social empowerment, inclusiveness, disruptions and entrepreneurship. Kamarul is currently on a mission to find and build new ways and partnerships to leverage on big data driven journalism for the channel. This ranges from data dashboards and real time data to fake news verification to user generated content and citizen journalism integration.

SPEAKERS' PROFILES

Track 1 Session 1:

How Our Online World is Shaping the Landscape of Today's Reality – A Discussion of the Hyper-Connected Human

Abstract:
Session presents how hyper-connectivity shapes the individual and society and discusses areas of inquiry, methods of observation and measurement, and critical areas for development and address.

Moderator

Prof. Dr. Kiranjit Kaur
Universiti Teknologi MARA

Kiranjit Kaur, PhD, is a Professor in Public Relations at the Faculty of Communication & Media Studies, Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia. She has published a number of journal articles and book chapters in her research interest areas of public relations management, media ethics, and women and media. Kiranjit is a Fellow (FIPR) and an Accredited Public Relations (APR) member of the Institute of Public Relations Malaysia (IPRM) with more than 30 years of experience in public relations education. She serves on the IPRM council and chairs the IPRM Education Chapter. Kiranjit is also on the Council of the industry body Communications and Multimedia Content Forum (CMCF); the Steering Committee of the Networked Media Research, Malaysian Communication and Multimedia Commission; and chairs the Media Committee of the National Council of Women's Organizations (NCWO), Malaysia. Kiranjit graduated with a PhD in Mass Communication from the University of Maryland, USA.

Panel Member

Ms. Rangsima Deesawade
Regional Coordinator for Southeast Asia,
ECPAT International

Rangsima Deesawade (Ying) works with ECPAT International as Regional Coordinator for Southeast Asia, based in Bangkok, Thailand. Her work is to provide strategic and technical leadership towards ECPAT's advocacy and programming work against the sexual exploitation of children in the region. Currently, Rangsima coordinates Disrupting Harm project for Southeast Asia region.

SPEAKERS' PROFILES

Panel Member

Assoc. Prof. Dr. Moniza Waheed
Universiti Putra Malaysia

Since joining Universiti Putra Malaysia in 2013, Moniza has been involved with studies related to Human Communication particularly in relation to Political Communication as well as Youth and Media. She is currently a member of a research team in UPM that investigates social media users' reaction towards provocative news posts.

Panel Member

Ir. Dr. Grace Lim Soo Yong
University of Nottingham Malaysia

Ir. Dr. Lim is a fellow of the Higher Education Academy (HEA, UK) and a senior member of the IEEE. In July 2018, she was honored as the recipient of the IEEE AP-S Donald G. Dudley Jr. Undergraduate Teaching Award, with this citation "For modernizing the teaching of electromagnetics and for innovating its relevant curriculum design".

Panel Member

Assoc. Prof. Dr. Ke Guek Nee
Heriot-Watt University Malaysia

Since joining the Heriot-Watt University Malaysia, Ke has been involved with studies related to problematic internet usage and its impact on psychological and behavioural among youths. Before joining the university, she has been involved in related research as principal researcher and involved in university administrative roles. She joined the university as an associate professor since 2014.

SPEAKERS' PROFILES

Track 1 Session 2:

How our Online World is Shaping the Landscape of Today's Reality – A Consideration of the hyper-Connected Government, Organisations and Businesses

Abstract:
Session presents the role of hyper-connectivity in bringing about digital transformation and how it continues to shape different types of organisations from both the public and private sector.

Moderator

Dr. Yang Mee Eng
CEO, Digital Pathway (Thailand)

Dr. Yang is CEO of Digital Pathway (Thailand), a JV partnership company with Thai partners. She is President of World Game and Blockchain Association (www.wogba.io) and lectures at Bangkok's Suan Sunandha Rajhabat University. She is on the Industry Advisory Panel of Infrastructure University Kuala Lumpur for Malaysian Qualifications Agency accreditation of their communications programme. Her past experiences included CEO of GameView and Business Development Manager with Malaysia Digital Economy Corporation.

Panel Member

Assoc. Prof. Dr. Yap Kian Meng
Sunway University

Dr. Yap Kian Meng is an associate professor at Sunway University. He has spent 18 years working in data networks (IT), telecommunications, computer networking manufacturing industries and electronic control system in machinery. His research interest is on the haptic over the Distributed Virtual Environment (DVE) in Human-Machine Collaboration (HMC) environment.

SPEAKERS' PROFILES

Panel Member

Dr. S B Goyal
City University, Malaysia

Dr. S B Goyal had done Master (CSE) & PhD (CSE) from India and holding around 18 years work experience. Currently, he is holding position of Dean,-FoIT, City University Malaysia. His area of research interests are Blockchain, Data Science, Big-Data and Artificial Intelligence.

Panel Member

Mr. Mohamed Shafiq bin Mohamed Ayub
Universiti Teknologi MARA

Since joining Universiti Teknologi MARA (UiTM), Mr. Shafiq Ayub has been involved with studies related to Mass Communication and Digital Marketing in organizational level. Before joining the university, he was heavily involved in various programme of Digital Marketing & Entrepreneurship, content of social networking and e-commerce. Possess eight years of media industry experience since 2012.

SPEAKERS' PROFILES

Track 2 Session 1:

Design and Accountability: Appraising Communications Technology through the Lens of Ethics, Society, and Values (Past, Present and Future)

Abstract:
Session explores the basis of ICT design and accountability operating within a framework where agreed upon ethical principles tailored towards socio-cultural values and norms provide the basis for sustainable, equitable and enriching digital transformation. Important issues for consideration include personal responsibility and ethics related to usage and distribution on intellectual property related to content.

Moderator

Assoc. Prof. Dr. Sridar Ramachandran
Universiti Putra Malaysia

Sridar Ramachandran is an Associate Professor specialising in sustainability with an emphasis in the areas of responsible tourism and marketing with Universiti Putra Malaysia's Faculty of Economics and Management. He is currently Head of Laboratory at the Institute of Agricultural and Food Policy Studies. Prior to joining Universiti Putra Malaysia in 1999, he has gained valuable leadership experience in non-profit and corporate organisations. In his consulting career, he specialises in marketing research, sustainable tourism planning, learning and development and strategic management. Sridar is a certified arborist and a professional member of the International Society of Arboriculture. He also holds a professional certification as an Action Learning coach conferred by the World Institute of Action Learning.

SPEAKERS' PROFILES

Panel Member

Ms. Eulis Rachmatiah Iskandar
Head of Ehics and Privacy, Celcom Axiata Berhad

Ms. Eulis is an experienced in-house legal counsel, as well as privacy and compliance officer with demonstrated history in the areas of Compliance in particular Anti-Bribery & Corruption, Human Rights and Privacy, Business Ethics and Sexual Harassment, and Corporate law, Mergers and Acquisitions and Company Secretarial. She is a regular speaker at public seminars and conferences on the topic of corporate governance, the role of in-house counsel and company secretary. Her special interest includes ethics, human rights and climate change. She possesses strong legal background with an LLB (Hons) Business Law from London Guildhall University.

Panel Member

Assoc. Prof. Dr Siah Poh Chua
Universiti Tunku Abdul Rahman

Dr Siah is a social psychologist and now is an associate professor at the Universiti Tunku Abdul Rahman, Kampar campus.

SPEAKERS' PROFILES

Panel Member

Dr. Nur Kareelawati Abd Karim
Universiti Sains Islam Malaysia

Nur is interested in the intersections of religion, media and culture. Her project develops a Human Management Model for Muslims in the creative media industry. She worked with Astro Broadcast Centre (2001-2008). Nur is a panellist for Media Ethics Think-Tank Qatar, Content Moderation Forum, ASTRO, and Film Censorship Board (LPF).

Panel Member

Dr. Jaspal Kaur Sadhu Singh
Help University

Jaspal specialises in Law of Information and Communication Technology Law; IT, Data Governance and Ethics, and Media Law, particularly free speech and expression. Having completed her PhD (Aberystwyth University, 2012) in the area of citizen journalism and social media, she has presented at conferences internationally. Her current interest is in the area of online falsehoods, challenges perambulating free speech and expression, and legal and ethical debates involving data governance, ethics and AI.

Track 2 Session 2:

Achieving Public Trust, Security, Participation and Regulation of the Internet. Cybersecurity: Appraising Communications Technology through the Lens of Regulation, Governance and Commerce (Past, Present, and Future)

Abstract:
Session outlines the balancing of collective industry self-regulation, stand-alone corporate practices, and sectorial and cross-sectorial regulation and measures required to ensure the interests and protection of individuals, commerce and at-risks groups are protected and the capacity building and institutional steps needed to achieve this goal. The session also proposes regulatory principals based on a collaborative ecosystem of synergizing the various approaches and discusses how responsibilities are best shared and apportioned. Important issues for consideration include managing expectations and consequences of lapses in Privacy protection, role of a digital identity, the balancing of regulatory approaches and digital literacy in addressing fake news and its distribution and use of fake personalities and bogus sources.

Moderator

Mr. Muhammad Dawud Saifullah bin Fadlullah
Head of Systems and Information Security, Maxis

Muhammad Dawud has been in the information security, audit and assurance industry for more than 18 years. He has served many roles (CISO, CIA, Consultant, System Integrator, Pre-Sales) with many prominent organizations such as Intel Malaysia, Price-Waterhouse Coopers, Symantec, Celcom Axiata, Robi Axiata, MYSEQ and SCANS. Dawud has a Bachelor's of Computer and Information Engineering, a Master's of Business Administration, and holds various security certifications such as CISSP, CBCP, CISM, CISA, ISO 27001 Lead Auditor among others.

SPEAKERS' PROFILES

Panel Member

Mr. Darmain Segaran

Help University

Darmain has over a decade of legal practice experience in litigation and commercial advisory practice, currently specialising in data governance and privacy especially in the context of emerging technologies. In this area, he regularly advises clients on protection framework development, privacy policies, risk mitigation and security protocols from both a legal perspective and preventive action through good internal practices through a private consultancy service, Dataraxis.

Panel Member

Dr. Mahyuddin Daud

International Islamic University Malaysia

Dr. Mahyuddin Daud obtained his PhD in Cyber Law (Internet Content Regulation) from International Islamic University Malaysia. He actively writes for academic journals and teaches contracts and information technology laws. Dr. Mahyuddin is currently Director of Sports Development Centre at the university.

Panel Member

Dr. Nurul Nuha Abdul Molok

International Islamic University Malaysia

Nurul Nuha Abdul Molok is the Head of Department of Information Systems, Faculty of Information & Communication Technology, International Islamic University Malaysia. She obtained her BSc in Computer Science (Artificial Intelligence) and MSc in Computer Science (Information Systems) from Universiti Malaya, Malaysia, and Ph.D in IS Security from the University of Melbourne, Australia. She is a certified ISO 27001 Information Security Management Systems (ISMS) Lead Auditor and Cyber Defender Associate (CCDA). She is also a working group member of the Information Security Technical Committee, Department of Standards Malaysia. To date, she has more than 30 publications in indexed and non-indexed, international and local, journals and proceedings.

ABOUT THE NETWORKED MEDIA RESEARCH COLLABORATION PROGRAMME

The Networked Media Research Collaboration Programme (NMRCP) was established to enhance and promote communication and social science research in the use of networked media and its impact on the population.

The NMRCP is a collaborative initiative whereby the award of research grants to institutions of higher learning to conduct research in focus areas is undertaken with a view to generating the required knowledge resources to support policy and regulatory decision-making.

For more information, please visit the Networked Media Research Collaboration Programme (NMRCP) page at http://www.mcmc.gov.my/grants/networked-media-research-collaboration/-programme

www.mcmc.gov.my

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MALAYSIA ON THE CUSP OF HYPER-CONNECTIVITY

MCMC RESEARCH SYMPOSIUM

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Malaysian Communications and Multimedia Commission

COVER

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Dr. Peter Lovelock | Director, Technology Research Project Corporate

10:15 am Break

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Mr. Sheikh Manzoor Ghani | General Manager, Public Sector Group, Microsoft Malaysia

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Ms. Shariffah Rashidah Syed Othman | Director, Cybersecurity Policy and International Cooperation Division, National Cybersecurity Agency (NACSA), Prime Minister's Department

11:45 am **Plenary Session 2 :** Pathways to Digital Resilience and Hyper-Connectivity

Moderator :
Mr. Kamarul Bahrin Haron | Deputy Editor-in-Chief, Astro Awani

Panel Members :
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2. **Dr. Peter Lovelock** | Director, Technology Research Project Corporate
3. **Ms. Shariffah Rashidah Syed Othman** | Director of National Cyber Security Policy and International Cooperation, National Cyber Security Agency, National Security Council of Malaysia

1:00 pm Lunch Break

PAGE 2

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2:00 pm

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Help University
Ethical Principles for AI: Pushing the Agenda for Adopting a Framework for Governance in Malaysia

3:30pm Break

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Session 2: ***How our Online World is Shaping the Landscape of Today's Reality - A Consideration of the hyper-Connected Government, Organisations and Businesses***

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Sunway University
Hyper-Connected Haptics Technology for Visually Impaired in Human-Machine Collaboration
2. **Dr S B Goyal**
City University Malaysia
Assess Requirements to Apply Blockchain In Enterprises
3. **Mr. Mohamed Shafiq Mohamed Ayub**
Universiti Teknologi MARA
How Communication Technology Create Explosive Growth of Esports? A Systematic Literature Review on the Influence of Digital Media in Gamification and Youth's Satisfaction in Malaysian Esports Industry

TRACK 2 - LAW AND TECHNOLOGY *(Kuala Lumpur Room, Level 1, Putrajaya Marriott Hotel)*

Session 2: ***Achieving Public Trust, Security, Participation and Regulation of the Internet. Cybersecurity: Appraising Communications Technology through the Lens of Regulation, Governance and Commerce (Past, Present, and Future)***

Moderator:
Mr. Muhammad Dawud Saifullah bin Fadlullah
Head of Systems and Information Security, Maxis

Panel Members:
1. **Mr. Darmain Segaran**
HELP University
Child Digital Privacy in Malaysia: Risks, Regulation And Solutions
2. **Dr. Mahyuddin Daud**
International Islamic University Malaysia
Combating Fake News Online: Exploring Australian Co-Regulatory Framework for Malaysia
3. **Dr Jaspal Kaur Sadhu Singh**
HELP University
Formulating the Legal Parameters for the Regulation of Online Falsehoods
4. **Dr. Nurul Nuha Abdul Molok**
International Islamic University Malaysia
Mitigating Leakage of Oraganizational Information in the Hyper-Connected Era: From the Perspectives of Managers and Employees

5:15pm Session Ends/Evening Tea

PAGE 4

SPEAKERS' PROFILES

Keynote 1:
Where Do We Go from Here? Through the Wormhole to Year 2030 – Should We Maintain Our Current Approaches?

Abstract :
Session explores regulatory and collaborative approaches in addressing current issues and what needs to be put in place to achieve and innovate towards a future where the sum outcomes of IOT's beneficial socio-economic outcomes outweigh the risks of ICT.

Dr. Peter Lovelock
Director, Technology Research Project Corporate

Dr. Peter Lovelock is CEO and co-Founder of TRPC Pte Ltd, an IT and telecommunication-based think-tank with offices in Singapore, Hong Kong, and Australia. He brings more than 30 years of experience in telecoms, technology and media to these undertakings, including regulatory assessments, implementation and execution projects, and due diligence and market entry strategic guidance projects throughout Asia. TRPC provides in-depth research and consulting services to companies, as well as to institutions such as the World Bank, ITU, ASEAN, APEC, ADB, ISOC, ICANN, UNDP and UNESCAP, as well as for regulators regionally and globally.

In recent years, Peter has provided advice to governments and companies alike on digital enablement and digital transformation, including to ASEAN on its ICT Master-plan, and to APEC on the Internet and Digital Economy principles and roadmap; as well as authoring reports on global data networks and bandwidth developments, cross border data flows and the economic impacts of data localization, digital transactions, authentication and digital identity. Peter is a senior strategic advisor to several large technology companies and sits on the board of the International Institute of Communications (IIC), and TRPC provides Executive Director and Secretariat support to the Asia Cloud Computing Association (ACCA). Between 1999 and 2004 Peter built and ran China's leading IT research consultancy. Before that, Peter worked at the ITU in Geneva.

PAGE 5

SPEAKERS' PROFILES

Keynote 2:
Human Rights and Artificial Intelligence – Implications for Technology, Policy and Governance

Abstract :
Keynote presentation on understanding the broad implications of AI on society and its implications on human rights and how to promote meaningful positive outcomes and simultaneously mitigate and address potential harm. Session explores how humanity can best navigate the transition to advanced AI systems and the economic, socio-political, governance and ethical dimensions which underpin this transition and implications for the research landscape.

Mr. Sheikh Manzoor Ghani
General Manager, Public Sector Group, Microsoft Malaysia

With over 28 years of working experience, Sheikh is a seasoned professional with practical experience and solid understanding of business management applications, including market analysis, sales and marketing, team building and quality assurance. His specialties ranges from performance-based solutions/applications (financial planning and budgeting, profitability management), Financial/Accounting systems (Sunsystems, Coda, SAGE, AccPac), and BI/DataWarehousing (IBM, Cognos, SAP/BO, SAS and Microsoft), among others. Sheikh Manzoor is a graduate of Business Studies and Finance from Northumbria University, Newcastle Upon Tyne, England.

PAGE 6

SPEAKERS' PROFILES

Plenary Session 1:
Cyber Security vs. Cyber Resilience – Knowing the Difference and Relevance in Strengthening the Digital Ecosystem

Abstract :
Session presents working definitions of cyber security and cyber resilience and strategies for promotion and adoption incentivise enterprises to implement cohesive strategies incorporating security and resilience for adoption by SMEs. Session discusses research opportunities and parameters for consideration related to Communications and Multimedia.

Ms. Shariffah Rashidah Syed Othman
Director, Cybersecurity Policy and International Cooperation Division, National Cybersecurity Agency (NACSA) , Prime Minister's Department

Shariffah Rashidah has been serving the Government of Malaysia as an Administrative and Diplomatic Officer since 2004 where she was first posted to the ICT and Technical Division of the National Security Council of Malaysia and later to the Cyber and Space Security Division in 2006. Shariffah Rashidah has been one of the key personnel responsible in putting up the proposal to establish the National Cyber Security Agency (NACSA), a dedicated agency that oversees all national cyber security functions formed under the aegis of the National Security Council of Malaysia. With the establishment of the NACSA, she took the role of the Director for Policy, Awareness, and Capacity Building & International Cooperation, at the NACSA in August 2017. She is responsible to oversee the development and implementation of national cyber security strategy, national cyber security awareness master plan and establishes and coordinates national positions with regards to the cyber security.

PAGE 7

SPEAKERS' PROFILES

Plenary Session 2:
Pathways to Digital Resilience and Hyper-Connectivity

Abstract :
Encapsulation and consideration of issues, approaches and risk landscape of morning presentations and implication for technology, policy and governance. Discussion of priorities, focus, challenges and opportunities in developing research networks to strengthen evidence to practice in policy-relevant research literature, combining research from diverse disciplines together with research conducted by industry and regulatory bodies while being cognizant of different regulatory contexts cross-nationally; different findings may be obtained and culturally specific conclusions may be required.

Moderator
Mr. Kamarul Bahrin Haron
Deputy Editor-in-Chief, Astro Awani

Kamarul Bahrin Bin Haron is a multiple award winning TV journalist, editor and anchor Malaysia with 23 years of experience in reporting and producing news and current affairs content. Kamarul is currently the Deputy Editor in Chief for the 24 hours News and Current Affairs channel in Malaysia called Astro Awani. This bachelor of broadcasting graduate from Universiti Sains Malaysia in Penang goes live on prime time TV and web streaming every Monday to Friday discussing the latest and most relevant issues of the day in the evening prime talk show called Agenda Awani which after the last #GE14 is a new Malaysia special named 100 Hari Malaysia Baharu (New Malaysia: 100 days) His staple focus areas include civil society, political and government transformation, globalization, sustainability, innovation, social empowerment, inclusiveness, disruptions and entrepreneurship. Kamarul is currently on a mission to find and build new ways and partnerships to leverage on big data driven journalism for the channel. This ranges from data dashboards and real time data to fake news verification to user generated content and citizen journalism integration.

PAGE 8

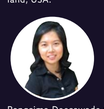
SPEAKERS' PROFILES

Track 1 Session 1:
How Our Online World is Shaping the Landscape of Today's Reality – A Discussion of the Hyper-Connected Human

Abstract:
Session presents how hyper-connectivity shapes the individual and society and discusses areas of inquiry, methods of observation and measurement, and critical areas for development and address.

Moderator
Prof. Dr. Kiranjit Kaur
Universiti Teknologi MARA

Kiranjit Kaur, PhD, is a Professor in Public Relations at the Faculty of Communication & Media Studies, Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia. She has published a number of journal articles and book chapters in her research interest areas of public relations management, media ethics, and women and media. Kiranjit is a Fellow (FIPR) and an Accredited Public Relations (APR) member of the Institute of Public Relations Malaysia (IPRM) with more than 30 years of experience in public relations education. She serves on the IPRM council and chairs the IPRM Education Chapter. Kiranjit is also on the Council of the industry body Communications and Multimedia Content Forum (CMCF); the Steering Committee of the Networked Media Research, Malaysian Communication and Multimedia Commission; and chairs the Media Committee of the National Council of Women's Organizations (NCWO), Malaysia. Kiranjit graduated with a PhD in Mass Communication from the University of Maryland, USA.



Panel Member
Ms. Rangsima Deesawade
Regional Coordinator for Southeast Asia, ECPAT International

Rangsima Deesawade (Ying) works with ECPAT International as Regional Coordinator for Southeast Asia, based in Bangkok, Thailand. Her work is to provide strategic and technical leadership towards ECPAT's advocacy and programming work against the sexual exploitation of children in the region. Currently, Rangsima coordinates Disrupting Harm project for Southeast Asia region.

PAGE 9

SPEAKERS' PROFILES

Panel Member
Assoc. Prof. Dr. Moniza Waheed
Universiti Putra Malaysia

Since joining Universiti Putra Malaysia in 2013, Moniza has been involved with studies related to Human Communication particularly in relation to Political Communication as well as Youth and Media. She is currently a member of a research team in UPM that investigates social media users' reaction towards provocative news posts.

Panel Member
Ir. Dr. Grace Lim Soo Yong
University of Nottingham Malaysia

Ir. Dr. Lim is a fellow of the Higher Education Academy (HEA, UK) and a senior member of the IEEE. In July 2018, she was honored as the recipient of the IEEE AP-S Donald G. Dudley Jr. Undergraduate Teaching Award, with this citation "For modernizing the teaching of electromagnetics and for innovating its relevant curriculum design".

Panel Member
Assoc. Prof. Dr. Ke Guek Nee
Heriot-Watt University Malaysia

Since joining the Heriot-Watt University Malaysia, Ke has been involved with studies related to problematic internet usage and its impact on psychological and behavioural among youths. Before joining the university, she has been involved in related research as principal researcher and involved in university administrative roles. She joined the university as an associate professor since 2014.

PAGE 10

SPEAKERS' PROFILES

Track 1 Session 2:
How our Online World is Shaping the Landscape of Today's Reality – A Consideration of the hyper-Connected Government, Organisations and Businesses

Abstract:
Session presents the role of hyper-connectivity in bringing about digital transformation and how it continues to shape different types of organisations from both the public and private sector.

Moderator
Dr. Yang Mee Eng
CEO, Digital Pathway (Thailand)

Dr. Yang is CEO of Digital Pathway (Thailand), a JV partnership company with Thai partners. She is President of World Game and Blockchain Association (www.wogba.io) and lectures at Bangkok's Suan Sunandha Rajhabat University. She is on the Industry Advisory Panel of Infrastructure University Kuala Lumpur for Malaysian Qualifications Agency accreditation of their communications programme. Her past experiences included CEO of GameView and Business Development Manager with Malaysia Digital Economy Corporation.

Panel Member
Assoc. Prof. Dr. Yap Kian Meng
Sunway University

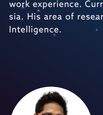
Dr. Yap Kian Meng is an associate professor at Sunway University. He has spent 18 years working in data networks (IT), telecommunications, computer networking manufacturing industries and electronic control system in machinery. His research interest is on the haptic over the Distributed Virtual Environment (DVE) in Human-Machine Collaboration (HMC) environment.

PAGE 11

SPEAKERS' PROFILES

Panel Member
Dr. S B Goyal
City University, Malaysia

Dr. S B Goyal had done Master (CSE) & PhD (CSE) from India and holding around 18 years work experience. Currently, he is holding position of Dean, FoIT, City University Malaysia. His area of research interests are Blockchain, Data Science, Big-Data and Artificial Intelligence.



Panel Member
Mr. Mohamed Shafiq bin Mohamed Ayub
Universiti Teknologi MARA

Since joining Universiti Teknologi MARA (UiTM), Mr. Shafiq Ayub has been involved with studies related to Mass Communication and Digital Marketing in organizational level. Before joining the university, he was heavily involved in various programme of Digital Marketing & Entrepreneurship, content of social networking and e-commerce. Possess eight years of media industry experience since 2012.

PAGE 12

SPEAKERS' PROFILES

Track 2 Session 1:
Design and Accountability: Appraising Communications Technology through the Lens of Ethics, Society, and Values (Past, Present and Future)

Abstract:
Session explores the basis of ICT design and accountability operating within a framework where agreed upon ethical principles tailored towards socio-cultural values and norms provide the basis for sustainable, equitable and enriching digital transformation. Important issues for consideration include personal responsibility and ethics related to usage and distribution of intellectual property related to content.

Moderator
Assoc. Prof. Dr. Sridar Ramachandran
Universiti Putra Malaysia

Sridar Ramachandran is an Associate Professor specialising in sustainability with an emphasis in the areas of responsible tourism and marketing with Universiti Putra Malaysia's Faculty of Economics and Management. He is currently Head of Laboratory at the Institute of Agricultural and Food Policy Studies. Prior to joining Universiti Putra Malaysia in 1999, he has gained valuable leadership experience in non-profit and corporate organisations. In his consulting career, he specialises in marketing research, sustainable tourism planning, learning and development and strategic management. Sridar is a certified arborist and a professional member of the International Society of Arboriculture. He also holds a professional certification as an Action Learning coach conferred by the World Institute of Action Learning.

PAGE 13

SPEAKERS' PROFILES

Panel Member
Ms. Eulis Rachmatiah Iskandar
Head of Ethics and Privacy, Celcom Axiata Berhad

Ms. Eulis is an experienced in-house legal counsel, as well as privacy and compliance officer with demonstrated history in the areas of Compliance in particular Anti-Bribery & Corruption, Human Rights and Privacy, Business Ethics and Sexual Harassment, and Corporate law, Mergers and Acquisitions and Company Secretarial. She is a regular speaker at public seminars and conferences on the topic of corporate governance, the role of in-house counsel and company secretary. Her special interest includes ethics, human rights and climate change. She possesses strong legal background with an LLB (Hons) Business Law from London Guildhall University.

Panel Member
Assoc. Prof. Dr Siah Poh Chua
Universiti Tunku Abdul Rahman

Dr Siah is a social psychologist and now is an associate professor at the Universiti Tunku Abdul Rahman, Kampar campus.

PAGE 14

SPEAKERS' PROFILES

Panel Member
Dr. Nur Kareelawati Abd Karim
Universiti Sains Islam Malaysia

Nur is interested in the intersections of religion, media and culture. Her project develops a Human Management Model for Muslims in the creative media industry. She worked with Astro Broadcast Centre (2001-2008). Nur is a panellist for Media Ethics Think-Tank Qatar, Content Moderation Forum, ASTRO, and Film Censorship Board (LPF).

Panel Member
Dr. Jaspal Kaur Sadhu Singh
Help University

Jaspal specialises in Law of Information and Communication Technology Law; IT, Data Governance and Ethics, and Media Law, particularly free speech and expression. Having completed her PhD (Aberystwyth University, 2012) in the area of citizen journalism and social media, she has presented at conferences internationally. Her current interest is in the area of online falsehoods, challenges perambulating free speech and expression, and legal and ethical debates involving data governance, ethics and AI.

PAGE 15

SPEAKERS' PROFILES

Track 2 Session 2:
Achieving Public Trust, Security, Participation and Regulation of the Internet. Cybersecurity: Appraising Communications Technology through the Lens of Regulation, Governance and Commerce (Past, Present, and Future)

Abstract:
Session outlines the balancing of collective industry self-regulation, stand-alone corporate practices, and sectorial and cross-sectorial regulation and measures required to ensure the interests and protection of individuals, commerce and at-risks groups are protected and the capacity building and institutional steps needed to achieve this goal. The session also proposes regulatory principals based on a collaborative ecosystem of synergizing the various approaches and discusses how responsibilities are best shared and apportioned. Important issues for consideration include managing expectations and consequences of lapses in Privacy protection, role of a digital identity, the balancing of regulatory approaches and digital literacy in addressing fake news and its distribution and use of fake personalities and bogus sources.

Moderator
Mr. Muhammad Dawud Saifullah bin Fadlullah
Head of Systems and Information Security, Maxis

Muhammad Dawud has been in the information security, audit and assurance industry for more than 18 years. He has served many roles (CISO, CIA, Consultant, System Integrator, Pre-Sales) with many prominent organizations such as Intel Malaysia, Price-Waterhouse Coopers, Symantec, Celcom Axiata, Robi Axiata, MYSEQ and SCANS. Dawud has a Bachelor's of Computer and Information Engineering, a Master's of Business Administration, and holds various security certifications such as CISSP, CBCP, CISM, CISA, ISO 27001 Lead Auditor among others.

PAGE 16

SPEAKERS' PROFILES

Panel Member
Mr. Darmain Segaran
Help University

Darmain has over a decade of legal practice experience in litigation and commercial advisory practice, currently specialising in data governance and privacy especially in the context of emerging technologies. In this area, he regularly advises clients on protection framework development, privacy policies, risk mitigation and security protocols from both a legal perspective and preventive action through good internal practices through a private consultancy service, Dataraxis.

Panel Member
Dr. Mahyuddin Daud
International Islamic University Malaysia

Dr. Mahyuddin Daud obtained his PhD in Cyber Law (Internet Content Regulation) from International Islamic University Malaysia. He actively writes for academic journals and teaches contracts and information technology laws. Dr. Mahyuddin is currently Director of Sports Development Centre at the university.

Panel Member
Dr. Nurul Nuha Abdul Molok
International Islamic University Malaysia

Nurul Nuha Abdul Molok is the Head of Department of Information Systems, Faculty of Information & Communication Technology, International Islamic University Malaysia. She obtained her BSc in Computer Science (Artificial Intelligence) and MSc in Computer Science (Information Systems) from Universiti Malaya, Malaysia, and Ph.D in IS Security from the University of Melbourne, Australia. She is a certified ISO 27001 Information Security Management Systems (ISMS) Lead Auditor and Cyber Defender Associate (CCDA). She is also a working group member of the Information Security Technical Committee, Department of Standards Malaysia. To date, she has more than 30 publications in indexed and non-indexed, international and local, journals and proceedings.

PAGE 17

ABOUT THE NETWORKED MEDIA RESEARCH COLLABORATION PROGRAMME

NMRCP
Networked Media Research Collaboration Programme

The Networked Media Research Collaboration Programme (NMRCP) was established to enhance and promote communication and social science research in the use of networked media and its impact on the population.

The NMRCP is a collaborative initiative whereby the award of research grants to institutions of higher learning to conduct research in focus areas is undertaken with a view to generating the required knowledge resources to support policy and regulatory decision-making.

For more information, please visit the Networked Media Research Collaboration Programme (NMRCP) page at http://www.mcmc.gov.my/grants/networked-media-research-collaboration/-programme

PAGE 18

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