Commonwealth ICT Round Table

22 - 26 October 2018, London, United Kingdom

Regulating ICTs
22 – 26 October 2018: London, United Kingdom

A workshop for Senior Officials in ICT policy, regulation and operations

Outline Programme

Sunday 21 Oct 2018	Delegates arrive in London
Monday 22 Oct 2018	
08:45	**Welcome and Introduction** Facilitated by **Robert Hayman,** Acting Manager Capacity Development and Training & Manager Events, Commonwealth Telecommunications Organisation
09:00	**Depart CTO to GSMA**, The Walbrook Building, 25 Walbrook, London EC4N 8AF
10:15	**Presentations at GSMA** A team of high level GSMA executives will deliver presentations relating to its organizational structure as well as its regulatory and operator activities and also presents its view on Spectrum Pricing and 5G. Facilitated by **GSMA**
11.30	**Depart to CTO**
12:15	**Networking and Lunch**
13.15	**Overview of ICT Policy, Regulation and Operation** This session examines the growth of ICTs, its current status and its potential contribution to socio-economic growth, including policies and regulation to promote inclusivity. Facilitated **Dr. Martin Koyabe,** Acting Manager, Membership & Communications and Manager, Technical Support and Consultancy, Commonwealth Telecommunications
14:00	**Group exercise: Key challenges faced by participants in their countries:** This brief session requires participants to highlight the priorities of their countries, and the key challenges they face in their role in delivering on these priorities. The outcomes will be used to shape the discussions that follow, so as to ensure that the workshop provides practical outcomes. Facilitated **Dr. Martin Koyabe**, Acting Manager, Membership & Communications and Manager, Technical Support and Consultancy, Commonwealth Telecommunications.
14.45	**Internet safety strategy: "Digital Charter" policy concept**: Technology is positively and rapidly transforming our economy and society. This pace of change has meant that society needs to catch up with the new challenges that it brings. In particular, there is growing public concern about online safety; this covers a diverse range of issues from online trolling and hate speech to location-sharing within social media platforms. Surveys show that for parents and carers, online safety concerns are becoming more prevalent than concerns about more traditional harms such as drinking or smoking. Many women have been subject to aggressive and sustained campaigns of abuse on social media. It is vital that collectively, we address these issues, so that the digital revolution continues to have the support of the British people, and that Britain can remain a world-leading digital economy.

	Facilitated by **Mark Carvell**, Senior Policy Advisor, Department For Digital, Culture, Media and Sports, United Kingdom of Great Britain and Northern Ireland
15:30	**Refreshments**
15:45	**Group exercise: Key challenges faced by participants in their countries:** This brief session requires participants to highlight the priorities of their countries, and the key challenges they face in their role in delivering on these priorities. The outcomes will be used to shape the discussions that follow, so as to ensure that the workshop provides practical outcomes. Facilitated by **Dr. Martin Koyabe**, Acting Manager, Membership & Communications and Manager, Technical Support and Consultancy, Commonwealth Telecommunications
16:30	**Discussion: Challenges of a Regulator in an ICT Landscape** The telecommunication industry is evolving towards a future in which IP-based networks are gradually replacing circuit-switched networks, both for fixed and mobile services. While governments and regulators move to embrace this growing reality, operators are adapting to the altered competitive landscape and the emergence of new business models. Even so, regulators will need to ensure effective and reliable network interconnection, in order to maximize value and reach as many customers as possible. Facilitated by **Dr. Martin Koyabe**, Acting Manager, Membership & Communications and Manager, Technical Support and Consultancy, Commonwealth Telecommunications
17:15	Close of Session/ **Drinks and Networking**

Tuesday 23 Oct 2018	
09.00	**Depart to Inmarsat**
10:00	**Inmarsat capabilities re "Enabling Access" to broad band connectivity.** Inmarsat has adapted its hybrid VSAT service, Fleet Xpress, for offshore support vessels (OSVs) by offering flexibility in connectivity service levels. This will enable vessel owners to access higher broadband levels through Ka-band coverage from Inmarsats fifth generation of satellites. Facilitated by **Andrea Moretti**, Senior Manager, NOC, Operations at Inmarsat
11:15	**Depart to CTO**
12:30	**Lunch**
13:30	**Google: What is Google up to?** Google's mission statement is to organise the world's information and make it universally accessible and useful. At the heart of Google's telecommunications strategy are innovation, investment and partnerships with the goal of helping to connect users around world, exemplified by the recent launch of Google Loon in partnership with Telekom Kenya in Kenya Facilitated by **Dr Theo Bertram**, Senior Manager, Public Policy EMEA, Google
14:15	**Cyber Crime against Children: Tackling child sexual abuse imagery online** Protecting children online is a global challenge, which requires a global approach. The Internet Watch Foundation will share case studies of their international work that equips Commonwealth nations with mechanisms to report, block, remove and disrupt online imagery of child sexual abuse. Facilitated by **Jenny Thornton,** International Development Manager, Internet Watch Foundation.
15:00	**Refreshments**
15:10	**Human Rights in the Digital Environment** Human rights are those rights that all persons are entitled to simply by being human. In the digital age, many of our human rights are increasingly being either enjoyed and exercised, or restricted and violated, in the online environment. This session examines the relationships between human rights and the internet and explores some recent trends. Facilitated by **Richard Wingfield**, Legal officer, Global Partners Digital
15:55	**Cyber Risk Management: GDPR** Organisations are facing an unprecedented wave of cyber security attacks and cyber-crime; it's the defining business issue of this generation. Many countries are introducing legislation to tackle the threats. not least in the EU with the new General Data Protection Regulation (GDPR) and Network Information Security Directive (NISD) that put significant additional responsibilities on organisations in data privacy and managing cyber risks effectively. The penalties for non-compliance are extremely severe, so Boards and senior execs must be fully engaged in managing cyber risk and ensuring compliance. How should they do this? Facilitated by **Carolyn Harrison,** Managing Director, Assured Clarity Ltd
16:45	**Close of Business**
17:00-21:00	**Roundtable dinner hosted by CTO** at **Brassiere Blanc Fulham Reach**, Fulham Reach Parr's Way, Hammersmith, London W6 9AN

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Wednesday 24 Oct 2018	
10:00	**Recap of the previous day** This short session will enable participants to revisit the learning's of the previous days and understand how they apply to their own settings.
10:15	**TV White Space and Dynamic Spectrum Management** The radio spectrum is a finite resource of each country which is widely used in modern technology. Since the beginning of the last century, this resource was assigned through administrative licensing. Limited by technology, signal interference was once considered as a major problem of spectrum use. Therefore, exclusive licensing was established to protect licensees' signals. Fast forwarding to present days, advancements in technology allow new approaches to access spectrum which provide increase efficiency and benefits to citizens, companies and government. In this presentation we will introduce the concept of dynamic spectrum management and discuss it through the example of TV White Space. Facilitated by **Mark Wheeler,** Chief Executive Officer, White space Technology
11:00	**Addressing the Policy Requirements for Successful deployment of HAPS:** Defined by the ITU as "station[s] on an object at an altitude of 20 to 50 km and at a specified, nominal, fixed point relative to the Earth," High Altitude Platform Stations (HAPS) can provide effective connectivity solutions and meet the growing demand for high capacity broadband networks, particularly in underserved areas. Leveraging advances in battery, aeronautics, and transmission technologies, new HAPS systems are specifically designed to provide cost effective backhaul capabilities that enable terrestrial network deployment (cellular and ISP) in areas that are currently unserved and underserved. Their flexibility and the possibility to provide reliable connectivity without the need to build extensive (and expensive) ground infrastructure make new generations of HAPS an affordable tool to supplement terrestrial networks and ensure that multi-gigabit capabilities are delivered cost-effectively in medium and low population density areas. Realizing HAPS benefits, however, requires a sustainable policy framework. Facilitated by **Chris Casarrubias**, Director, Emerging Markets at Access Partnership
11:45	**Refreshment and Networking**
12:00	**Growth in the Satellite Industry – Policy and Regulatory Challenges** Satellite broadband enables new applications that provide services to mobile sites – for example, ships, trains, planes and vehicles and has the potential to accelerate the availability of high-speed Internet services in developing countries, including the least-developed countries, the land-locked and island nations, and economies in transition. However, current licensing and regulatory regimes have failed to keep pace with innovations in the space sector, especially the growth of small satellites and satellite constellations. Facilitated by **Brit Wengenmayr,** Licensing & Market Access Officer, Avanti Communications Group Plc
12:45	**Lunch**
13:45	**Implementing the Commonwealth Cyber Declaration** While there is recognition of the need to strengthen security, confidence and trust in ICT and to reinforce the rule of law and the protection of human rights in cyberspace,

	all things "cyber" have now become too important. As they touch upon fundamental rights of individuals as well as national (security) interests of States, it is increasingly difficult to reach international consensus on common solutions. In order to overcome this dilemma, the most sensible approach is to focus on common standards that are already in place and functioning, such as the Budapest Convention on Cybercrime, and on approaches on which there is broad agreement, in particular, capacity building. Facilitated by **Shadrach Haruna,** Legal Adviser, The Commonwealth Secretariat
14:30	**National Cybersecurity Strategies** Case Studies The CTO plays a leading role in enhancing cybersecurity across the Commonwealth through development of its Commonwealth Approach for Developing National Cybersecurity Strategies and its practical assistance to Commonwealth countries in putting these strategies in place. This session provides an insight into the work the CTO has been doing in helping countries develop and implement effective cybersecurity strategies. Facilitated by **Dr. Martin Koyabe,** Acting Manager, Membership & Communications and Manager, Technical Support and Consultancy, Commonwealth Telecommunications
15:15	**Refreshment and Networking**
15:30	**Huawei Technologies on the evolution of telecom networks for the provision of new advanced services**? The telecommunications industry continues to evolve, and telecommunications services and network architecture today bear little resemblance to their predecessors from 10 years ago. Recently, services such as data center (DC) interconnection and 4K video have emerged, and time division multiplexing (TDM) private line services pose new challenges on transport network security, latency, and bandwidth. In this ever-changing environment, which bearer technology is best suited for future transport networks. Facilitated by **Ian Mash**, Vice President of Business and Network Consulting, UK Huawei
16 :15	**Regulatory Technology:** Replacing law with Computer Code Technology changes society. Distributed ledger technology has been described as having the potential to disrupt how and by whom financial and other services are delivered and regulated. Artificial intelligence already does and will increasingly shape our society in the future. Regulatory technology has been described as a game changer. It is said to have the potential to streamline compliance and increase efficiency for both the regulator and the regulated entities in financial markets Facilitated by **Professor Eva Micheler**, Associate Professor (Reader) in Law Department of Law, London School of Economics and Political Science
17 :00	**Block chain Technology and Regulation** This session will provide participants with an understanding of the regulation of Block chain and its applications including virtual currencies and crowd funding. The following issues will be addressed: • How states around the world are regulating blockchain technologies? • The best way to encourage safe domestic and inbound innovation • The risks of decentralised virtual currencies and how those risks may be addressed? • How the use of identity protocols will foster the growth of compliant block chain applications.

	Facilitated by **Adam Vaziri**, Chief Executive Officer, Diacle
17:45	**Universal Service/Access Funds: Concept Vs. Reality Pakistan Experience** Although 75% of the population of Pakistan has access to basic voice telephony, broadband numbers are much lower. There is only 28% Mobile Broadband Internet penetration which puts the country at around #75 when ranked globally. Mobile Broadband spectrum auctions in 2014 helped spur broadband growth; however, there is still a dire need to speed up the process of deploying Mobile Networks. This session explores the various arguments in favour of, and against, Universal Service and Access Funds. Whilst conceptually such funds have much to offer, operationally these funds have not always lived up to that expectation. The session will conclude with a discussion of possible alternative models for achieving universal access and service. Facilitated by **Mrs Anusha Rahman Khan**, Former Federal Minister for Information Technology and Telecommunication,Pakistan.
18:30	Close of sessions for the day

Thursday 25 Oct 2018	
10:30	**Investment in ICT** Investment in ICT infrastructure, such as broadband rollout, is a vital step to promote economic development and social integration. The recent EU proposal to fund investment in rural broadband infrastructure is an example of this. Such investment in physical infrastructure must be complemented by initiatives to develop the skills that will be needed to extract value from this investment. Training and learning programmes, including certification schemes, must be a key component of initiatives that will assist in maximising the potential offered by enhanced broadband provision in rural areas. Facilitated by **Professor Theodore Menelik-Mfuni**, Centre for Interdisciplinary Research Kinshasha
11:15	**Net Neutrality** Overview of policies in Commonwealth countries -- history, current practice and emerging trends. The Internet has become an indispensable tool for users around the globe and a fundamental facilitator of innovation and economic growth. Demand for Internet connections with greater bandwidth is unlikely to subside. Even now, some network operators must use congestion-management and traffic-shaping techniques to keep their networks running smoothly. Facilitated by **Dr Balasurbramanyam**, Senior Research fellow at Institute of Commonwealth Studies, School of Advanced Study University Of London
12:00	**Lunch**
13:00	**Update on CTO's Over-The-Top Services Study** The findings of a study by the Commonwealth Telecommunications Organisation (CTO) shows that the majority of stakeholders recognize and appreciate the innovative nature of over-the-top services (OTTs) and do not want innovation to be stifled as OTT services offer numerous benefits to consumers. There is, nonetheless, widespread support for regulatory responses although, predictably, less so from the OTT sector itself, the report says. While larger and more advanced Commonwealth countries have the scale and market and regulatory sophistication to take advantage of the App economy, particularly by building domestic digital businesses, this is not necessarily the case with emerging and small Commonwealth countries. Facilitated by **Dr Martin Koyabe,** Acting Senior Manager Membership & Communications and **Manager** Technical Support and Consultancy, Commonwealth Telecommunications Organisation.
13:45	**The Internet Platform: Over-The-Top Services and Net Neutrality** OTTs are making gains over the traditional communication providers to an extent where Telco's have expressed concern. On the other hand these services, at small or no incremental cost, have proven to be very popular. However most of these services are beyond the control of the regulators. Facilitated by **Graham Butler**, Chairman, Bitek Global Ltd
14:30	**Refreshment and Networking**
14:45	**Countering Violent Extremism– Preventing Terrorist Use of the Internet to Promote violent extremist** When someone becomes radicalised and behaves in an 'extreme' way, this does not only affect the person, but also their family, friends, wider social circle and society.

	Families, youngsters and children are confronted with recruitment by terrorist/Violent Extremist groups. Today's reality is one in which radicalisation is not uncommon as a phenomenon. For vulnerable individuals and their social environment. Facilitated by **Patricia Crosby,** CVE Capacity Building Officer at The Commonwealth Secretariat
15:30	**Postal Regulation and E-Commerce** Postal services world over are going through changes with some such as UK's postal service, being privatised. In this context the regulator's role becomes ever more important to ensure a healthy postal service that also delivers on universal service. Facilitated by **Steve Hannon**, Non xecutive Director with Guernsey Post and Chief Executive of Postal &Logistic Consulting Worldwide
16:15	**Closing**

Friday 26 Oct 2018	Industrial Visit / Presentation of Certificate /Closing of Programme
08:45	**Depart CTO to OFCOM** Riverside House, 2a Southwark Bridge Road, London, SE1 9HA

10:00	**Presentation by OFCOM**
	Participants will hear from Ofcom, UK's electronic communications regulator, on practical experiences on:
	    • Introduction to Ofcom (independence, governance, converged regulatory model)
	    • External Relations - between Ofcom and the Policy Makers
	    • Broadcast Regulation - Ensuring competition in the subscription/pay TV market
	    • Ofcom's views on Net Neutrality and regulation of OTT services
	
	Facilitated by **Tom Wicken,** International Affairs Manager Ofcom

11:15	**Return to CTO**
12:00	**Lunch**
13:00	**Mobile for Development**: Mobile for Humanitarian Innovation. With a quarter of the world's refugee population in Sub-Saharan Africa, new approaches and partnerships to delivering aid and supporting affected communities are required. There is a growing appetite to partner in new ways with the private sector, integrate innovation and use technology to increase accountability, efficiency and impact, driven in part by the expanding need. Facilitated by **Yiannis Theodorou,** Director of Policy & Advocacy GSMA
13:45	**Closing**
14:00	**Certificate Presentation/Take away**

Gisa Fuatai Purcell

Mrs Gisa Fuatai Purcell is the Acting Secretary-General and Director of ICT Development Department at the Commonwealth Telecommunications Organisation. Prior to that Mrs Purcell was the head of LSE Division at the International Telecommunication Union. She was responsible for ITU-D's activities concerning special assistance to least developed countries (LDCs) Small Island developing states (SIDS) land locked countries (LLDCs) and countries in special needs. Gisa holds a Master of Commerce and Administration from the Victoria University of Wellington, New Zealand; with a major in telecommunication and information systems.

Martin Koyabe

Dr Martin Koyabe is the Acting Senior Manager Membership and Communications; and Manager of Technical Support and Consultancy division at the CTO. He has over 20 years experience in ICT innovation, research and development. He holds a PhD in Communications Engineering and has been involved in various ICT projects mainly in Europe, US, Caribbean, Asia Pacific and Africa.

He has held several positions in the telecommunication industry and academia. Before joining the CTO, he was a senior researcher/technical lead with British Telecommunications (BT) for over 10 years, where he worked on various major projects including, BT's 21st Century Next Generation Network, developing ICT security solutions, policy and strategies for BT's lines of business. He is also works as a technical expert on ICT for the European Commission (EC), World Bank, UN and ITU.

Martin has delivered a number of national strategies in Cybersecurity, Broadband, Regulation and ICT for a number of countries and organisations. He led the CTO team in assisting a number of countries develop their National Cybersecurity Strategies including Botswana, Cameroon, Uganda, Fiji, Malawi, Mozambique, Tanzania, Senegal, Eswatini and most recently Bermuda. Most notable is his recent contribution towards the development and publication of the National Cybersecurity Strategy Reference Guide, with other partners, including the ITU.

Robert Hayman

Robert Hayman is Manager, Events and Acting Capacity Development Manager at the CTO. He manages the overall delivery of the CTO's events and conferences, delivering knowledge sharing and policy influencing platforms for both our member organisations and others working to develop ICTs. Robert's role involves, amongst other things, supervision of all aspects of conference production, organisation, on-site management and delivery. Robert has considerable previous experience in events management, having headed up national and international events at the Nuclear Institute, and also having been an events officer at the King's Fund prior to joining the CTO in 2013.

Babatunde James Akwe

Babatunde James Akwe joined the CTO in December 2016 as an Assistant programme officer for the Capacity Development and Training. James holds a Masters in Business Administration with specialisation in corporate governance from the University of Leicester. Before his MBA programme he had a BSC degree in Social Science with Economics from the Open University in Milton Keynes. He is a PRINCE 2 qualified project management officer with interest in governance in capacity building. He worked previously in Bell Micro Products as HP Finance Manager and at NCR Maastricht as a team leader in the Rapid Response Team.

Richard Wingfield

Provide legal and policy expertise across GPD's portfolio of global programmes, particularly the Global Internet Freedom Programme, which supports civil society organisations from the global South to protect and promote human rights online.

He Provides legal and policy advice internally at GPD and to its partner organisations on human rights as they relate to digital policy, and develop legal analyses, policy briefings and other resources for stakeholders.

Jenny Thornton

Jenny Thornton is the International Development Manager at the Internet Watch Foundation (IWF). She manages a global programme that supports developing countries in setting up online reporting infrastructure for online child sexual abuse. This involves maintaining proactive international relations with like-minded INGOs around the world, as well as country-level Ministries, Governments and Institutions. To address the global nature of online crimes against children, the role includes significant collaboration with the internet industry worldwide and prominent global bodies including Interpol and all organs, offices and funds of the United Nations. Prior to joining the IWF in 2017, Jenny worked at the University of Cambridge developing new research collaborations with Universities in sub-Sahara Africa. As well as working at the University for 8 years, Jenny also completed her Masters with Distinction in International Relations at Cambridge.
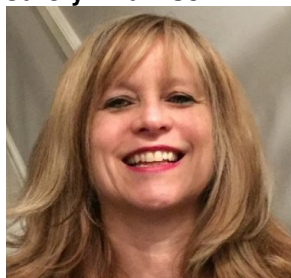
Theo Bertram

Dr Theo Bertram leads Google's public policy team on access and data across Europe, Middle East and Africa. Prior to joining Google in 2011, Theo was Head of Public Affairs at Telefonica O2. Between 2006 and 2010, he was a Special Adviser to Prime Ministers Tony Blair and Gordon Brown and was Head of the Research and Information Unit at 10 Downing Street.

Steve Hannon

Steve Hannon serves as a Non-Executive Director of Guernsey Post Ltd (GPL) and, GPL are the current elected chair Postal Administration of CCPA. Mr Hannon enjoyed a lengthy and distinguished career within Royal Mail. Since then he has not only worked for GPL but also - through his separate Consultancy activities - worked with a number of Postal Regulators including Postcomm, Ofcom, ComReg (the Postal Regulator in the R-o-I) and CA (the Postal Regulator in Kenya). He has also worked on Postal Regulatory issues for the European Commission.

Carolyn Harrison

Carolyn Harrison is the managing Director of Assured Clarity Limited, a risk management consultancy that specialises in Data Potection-especially GDRP, Project management and Education and training. Carolyn presently work has Head of Marketing at Eyestorm Adviser a firm that deals with application and delivery of complex regulation.

Mark Wheeler

Mark Wheeler has worked at the cutting edge of technology and Internet service Provision for 20 years, starting as part of the core team at leading UK ISP Plusnet PLC, leading their corporate business development, and moving onto brands such as Ask4, Metrona, and Cablecom. Acquiring Key Clients such as Victoria Hall, Opal Properties, Civica PLC, and Sheffield Wednesday.. We use emerging and breakthrough technologies to provide connectivity to those under-served by broadband, fibre or cable solutions.

TV White Space, frequencies no longer used by TV channels, allows us to provide affordable access where incumbent service providers can't, or won't, go. Unlike traditional Wi-Fi our solutions don't require line-of-sight, can cope with uneven terrain and have a range of up to 10km.

Brit Wengenmayr

Brit Wengenmayr has more than 10 years expereince invarious roles in the satellite industry . Most recently her role on licensing and market access at Avanti Communications group Plc. In this capacity she is responsible for all regulatory clearance for all Avanti business projects. In addition her role encompasses analysing trends in telecoms regulation and developing best practices. She has excellent rekations with regulators internationally as well as trade association and with the academic World.

Shadrach Haruna

Shadrach Haruna is a very experienced public and international law practitioner, a former prosecutor, legal adviser and counsel with extensive experience nationally and internationally in justice administration, civil and criminal law advocacy. He is an Advocate and Solicitor of the Supreme Court of Nigeria and has a remarkable and cutting-edge practice experience and skills on issues and practices relating to maritime boundary and law of the sea, petroleum and natural resources law, international economic law, transnational and international criminal laws and procedures, constitutional and administrative law. Mr Haruna is currently a criminal justice expert and a legal adviser in the Rule of Law Division of the Commonwealth Secretariat. He specialises in transnational and international crimes in this role and frequently provides technical assistance and training, in these areas of practice, to criminal justice officials (Law enforcement agencies, Prosecutors and Judges) in Commonwealth countries.

Graham Butler

Graham Butler is Founder of Bitek International Inc. Graham has over 33 years of International experience in virtually all aspects of telecommunications services and product arenas, including co-founder and Executive Vice President of @IPBell (latterly Cascadent Communications) one of the world's first commercial (b2b) Global VoIP networks backed by Cisco & HP. Recruited from Deutsche Telekom, AG where he held a Senior Directorship (with International focus), Mr. Butler is a highly sought after and internationally renowned speaker and lecturer to various global agencies on such topics as VoIP fraud & lawful intercept prevention & planning. He was responsible for planning and rollout of the world's first International VoIP network within Deutsche Telekom. Previous roles include a position as Managing Director of a large German audiotex business and other senior management positions with international telecommunications equipment suppliers, such as Siemens AG & Plessey Communications.

Mark Carvell

Mark Carvell is responsible for Internet governance policy at the Department for Culture, Media and Sport (DCMS) which is a ministry in the UK government. Mark represents the UK and its Overseas Territories on ICANN's Governmental Advisory Committee (GAC). He was recently appointed a Vice Chair of the GAC with effect from 16 March 2017. He is a GAC representative on ICANN's Policy Development Process (PDP) Working Group which is reviewing the rights protection mechanisms (RPMs) for all generic top level domain names (gTLDs). Mark also coordinates the UK Government's support for the multi-stakeholder UN Internet Governance Forum (IGF) and is a member of the steering committee of the national UK Internet Governance Forum (UK IGF). He represents the UK on the Council of Europe's Steering Committee on Media and the Information Society (CDMSI) and is an adviser to the Commonwealth Telecommunications Organisation (CTO) on Internet governance policy.

Mark also represents the UK Government at the UN Internet Governance Forum (IGF) and is a member of the IGF's Multi-stakeholder Advisory Group (MAG and on the Council of Europe's Steering Committee on Media and the Information Society (CDMSI). He also represents the UK in other multilateral for on public policy issues relating to Internet governance including the International Telecommunication Union (ITU). After graduating from the University of London, Mark joined the UK Government's Department of Trade and Industry (DTI) in 1980 working in the area of corporate affairs. In 1985 he transferred to the independent telecommunications regulator Oftel (now Ofcom) as Private Secretary to the first head of Oftel, the Director General of Telecommunications, Professor Sir Bryan Carsberg. He moved back to the DTI in 1988 to take up an appointment as Private Secretary to Eric Forth, Member of Parliament, and Trade and Industry Minister with responsibility for consumer affairs and telecommunications policy.

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Patricia Crosby

Ms. Patricia Crosby currently works with the Commonwealth Secretariat as a Countering Violent Extremism (CVE) Project Officer where she manages the implementation of capacity building and technical assistance programmes across all five regions of the Commonwealth. Previously she worked for Global Affairs Canada in the Emergency Watch and Response Centre managing the Canadian government's response to manmade and natural consular crises abroad. She also holds experience in implementing humanitarian projects while working with the Middle East and North Africa Development team at Global Affairs Canada. Patricia commenced her career by working on Parliament Hill in issues management for the Minister of Fisheries and Oceans and as a stakeholder engagement officer within the national party office. Patricia studied International Development and Political Science at the University of Ottawa where she focused on peace operations and the development-security nexus.

Yiannis Theodorou

Yiannis Theodorou is Director of Policy & Regulatory Affairs, Mobile for Humanitarian Innovation and Digital Identity at GSMA Regulatory and Public Policy professional with global experience in Regulatory strategy, Public Policy and International Development across the mobile telecommunications and internet sectors.
Focusing on digital identity, humanitarian innovation, privacy, data protection, the Internet of Things, and how Big Data can drive social and economic opportunities.
Keen public speaker, tennis player and trained volunteer mentor of university students

Eva Micheler

Professor Eva Micheler studied law at the University of Vienna and at the University of Oxford before joining the LSE Law Department in 2001. She is an Associate Professor in Law at the London School of Economics and an Associate Professor at the University of Economics in Vienna, where she took Habilitation in 2003. Professor Micheler is also on the management committee of the Systemic Risk Centre at LSE. She was a TMR fellow at the Faculty of Law of the University of Oxford and teaches regularly at Bucerius Law School in Hamburg. Eva Micheler has written widely on corporate and comparative law. Intermediated securities and holding and transfer systems have been a significant focus of her work. She is a member of the Investor Protection and Intermediaries Standing Committee at the European Securities Markets Authority. She recently advised the UK Department of Business, Innovation and Skills on questions relating to intermediated shareholdings.

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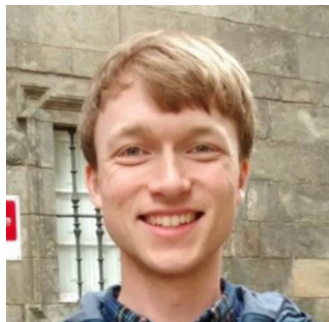22 - 26 October 2018, London, United Kingdom

Ian Mash

Ian Mash is Director, Huawei Carrier Business Group Chief Transformation Office and is based in the United Kingdom. Before joining Huawei Ian gained 30 years of experience in the ICT sector in Commercial, Product management, Strategy and Programme management roles in BT Plc, then ran his own business consultancy company. Ian has defined and launched circa 30 products and has led a team of 600 developers.

Ian joined Huawei in 2011 as part of the CNBG Business Consultancy team supporting Operators globally. During that time he has defined new products for operators, built GTM strategies and new pricing propositions, and led the UK Competence Centre, before joining the Chief Transformation Office.

Ian has a Bachelors Degree in Education from London University, a Diploma in management studies and a Masters Degree in Business administration from Henley Management College. He is a Member of the Institute of Marketing and is a qualified Programme Director

Tom Wicken

Tom Wicken currently works as an International Affairs Manager. In this role he manages Ofcom's international engagement, and also contributes to content work at a European level. I am currently on secondment leading Ofcom's international engagement programme and working on content policy issues at EU level, after which I will return to the Market Research team as a Senior Research Manage.

Anusha Rahman Ahmad Khan

Anusha Rahman Ahmad Khan is a Pakistani politician who served as Federal Minister for Information Technology and Telecommunication, in Abbasi cabinet from April 2018 to May 2018. Previously she served as the Minister of State for Information Technology and Telecommunication of Pakistan from June 2013 to July 2017 in the third Sharif ministry and again from August 2017 to April 2018 in the Abbasi ministry. A member of the Pakistan Muslim League, Khan had been a member of National Assembly of Pakistan from 2008 to May 2018. Ms. Rahman has initiated a number of policy measures, projects and programs that have transformed Pakistani ICT markets and landscape to the next level of development. She has successfully overseen the auction of spectrum for the Next Generation Mobile Services (3G / 4G) bringing broadband penetration to a level of 19% from only 3% in early 2014. She aims at achieving 38% broadband penetration in the country by 2020.

Theodore Menelik-Mfuni

Professor Theodore Menelik-Mfuni is a Strategy Manager in a County Council working for the Children, Families, and Adults Directorate, combining project management, strategic and community development skills. He is a sociologist, and prior to working for my current authority, I have worked extensively abroad (13 years) for an International Development Charitable Organisation, leading on all aspects of sustainable community development and empowerment

Adam Vaziri

Adam Vaziri is a blockchain lawyer and set up Diacle in 2013 to assist blockchain projects with compliance. He is a tireless blockchain entrepreneur and labelled a 'bitcoin pioneer' by Bitcoin Magazine. Adam believes that Web3.0 will bring block chain to the mainstream but that regtech is required. Therefore Adam has established QRC to fund and accelerate block chain products that use regtech. Adam is the founder of Blockpass - a KYC Wallet for decentralised applications.

Other projects Adam has been involved in or founded are as follows: Adam is founder of the UKDCA and Bitlegal.io a global tracker for blockchain law since 2014 and featured by CNN and Washington Post. Adam ran the first suite of blockchain hackathons across the world HACKCOIN: UK, India (read Economic Times article), HK and Malaysia. Adam formulated the first open-source ISDA for cryptocurrency trading: aperta. Adam established Chain-Finance as dedicated news/events for the financial services industry. Adam founded a global blockchain IoT lab Chain of Things to investigate the role of blockchain tech in securing IoT.

Christopher Casarrubias

Christopher provides policy advice to multinationals in the fields of market access, Internet governance, radio spectrum, connectivity, and trade. Having worked for a competition agency, a telecommunications regulator, and currently working for an international government affairs consultancy, he has extensive experience in regulatory issues impacting the ICT sector. He has been involved in the formulation of ICT policies in emerging markets and multilateral organizations, such as the International Telecommunications Union (ITU).

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