# Confirmed Speakers List:

1. **Allan Phang,** Air Asia Esports, **Air Asia**
2. **Siwaporn Pengpol,** Head of Video and Broadcasting Business, **AIS**
3. **Yaw Yeo,** Managing Director for International Business, **Alibaba Group**
4. **Foong Chee Kheong,** Head of Group Regulatory Affairs, **Axiata**
5. **Pedro Uria-Recio,** VP Head of Analytics, **Axiata**
6. **Sandra De Zoysa,** Group Chief Customer Officer, **Axiata**
7. **Russell Lundberg,** CTO, **Bangkok Beach Telecom**
8. **Anik Dhar,** Head of Digital Product, **Banglalink**
9. **Natasak Rodjanapiches,** Vice Chairman, Creative Digital Economy, **Board of Trade Thailand**
10. **Ian Watson,** CEO, **Cellcard**
11. **Saad Ullah Khan,** Head of Network Operations, **Cellcard**
12. **Hurman Mok,** Innovative Business Director, **China Mobile International**
13. **Gordon Hou,** Deputy Managing Director, Overseas Business, **Chunghwa Telecom**
14. **Danny Sritharan Arumugam,** Director of International Expansion**, Circles.Life**
15. **Kelvin Chua,** Head of Engineering, **Circles.Life**
16. **Tung Son Dang,** Deputy CEO, **CMC Telecom**
17. **Asif Muhammad Iqbal,** Head of Data Science, **Digi Telecommunications**
18. **Monsak Socharoentham,** Vice President, Smart City Promotion, **Digital Economic Promotion Agency, Thailand**
19. **Filippo Giachi,** VP & Global Head of Solution Sales, **Docomo Digital**
20. **Ghassan Saad,** Director of Video Services, **Du**
21. **Serdar Senay,** Marketing Director, **Du**
22. **Jukka-Pekka Salmenkaita,** Director of AI & Machine Learning. **Elisa**
23. **Jussi Lehmuskallio,** Managing Director, **Elisa Hong Kong**
24. **Mya Han,** CEO, **Fortune Telecom**
25. **Allen Hsu,** Regional Head of Strategic Partnership and eSports Development**, Garena**
26. **Su Ann Lim,** Industry Head Telco & Technology, **Google**
27. **Stephen Kruger,** Head of Engineering, **Grab**
28. **Imamul Hoq Bapp,** Head of Technology, **Grameenphone**
29. **Waliul Islam,** Head of Digital Distribution, **Grameenphone**
30. **Lisbon Simangunsong,** Head of Carrier Services & International Roaming, **Hutchison 3 Indonesia**
31. **Dana Dong,** Co-CEO, **HyalRoute Communication Group Limited, Myanmar**
32. **Rob Van Den Dam,** Global Telecom Industry Leader, **IBM Institute for Business Value**
33. **Purva Rajkotia,** Director, Global Insights and Intelligence, **IEEE**
34. **Kimmy Suraphongchai,** Country Manager, Thailand, **iflix**
35. **Ong Tong San,** Senior Director, Market Access & Competition, **Infocomm Development Authority (IMDA)**
36. **Nu'man Faqih,** Assistant Vice President for B2B Data Center & Cloud Solution, **Indosat Ooredoo**
37. **Rasyefki Sultani,** Group Head of Digital Services**, Indosat Ooredoo**
38. **Raden Kurnia Supriadi,** Head of Core Network Strategy Architecture & Solution**, Indosat Ooredoo**
39. **Kenji Kumaki,** Chief Architect, **KDDI Corporation**
40. **Andy HyunJoo Lee,** Executive Director Global Business Group, **Korea Telecom**
41. **Piyawat Jriyasetapong,** Chief Commercial Officer, **Lao Telecommunication Company**
42. **Ash Saini,** General Manager, **Lebara, Australia**
43. **Pruthisith Prateepavanich,** Head of Technology Innovation, **LINE Corp**
44. **Sam Saba,** SVP, APAC Sales, **Mavenir**
45. **Duc Nam Nguyen,** Head of International Department**, Metfone**
46. **H.E. Geo Rim**, Advisor to Ministry, **Ministry of Posts & Telecommunications, Kingdom of Cambodia**
47. **H.E. Sok Puthyvuth,** Secretary of State, **Ministry of Posts and Telecommunications, Cambodia**
48. **Ou Phannarith,** Director of ICT Security, **Ministry of Posts & Telecommunications, Kingdom of Cambodia**
49. **Jay Shah,** Chief Data & Artificial Intelligence Officer, **MyRepublic**
50. **Nathan Bell,** Chief Digital Officer, **M1**
51. **Binh Vu,** CEO, **NetNam**
52. **Satoshi Nagata,** Vice Chairman, **3GPP TSG-RAN** & Manager, **NTT Docomo**
53. **Hideki Nishizawa,** Senior Research Engineer, **NTT Innovation Laboratories**
54. **Carlos Alimurung,** CEO, **ONE Esports**
55. **Cedric Mauvielle,** VP Sales Mobility & Voice, **PCCW Global**
56. **Katrina Luna-Abelarde,** CEO, **PLDT**
57. **Aamer Ejaz,** Head of Carrier Services, **PTCL, Pakistan**
58. **Anand Prasad,** CISO, **Rakuten Mobile**
59. **Anshul Bhatt,** Network Automation & OSS Lead, **Rakuten Mobile**
60. **Farid Yunus,** CEO, **redONE**
61. **Ram Chakravarthy,** National Head & Vice President – Service Excellence, **Reliance Jio**
62. **Pradeep Sreedharan,** SVP IoT Business, **Reliance Jio**
63. **Aayush Bhatnagar,** SVP Software Development, **Reliance Jio**
64. **Ahmed Saady Yaamin,** Executive Vice President, Market Strategy and Planning, **Robi**
65. **Ajay Sunder,** Deputy Director, Strategy Carrier Division, **SC-NEX**
66. **Woohyun Nam,** Senior Technical Manager, **SK Telecom**
67. **Dr. Suhono Supangkat,** Director, **Smart Cities & Communities Innovation Centre, Indonesia**
68. **Rangarajan Kalyanasundaram,** CEO Enterprise Business, **Smartfren Telecom**
69. **Thomas Hundt,** CEO, **Smart Axiata**
70. **Richard Rowland,** Software Engineer, Blockchain Developer, **Softbank Telecom**
71. **Anuradha Udunuwara,** Senior Engineer, **Sri Lanka Telecom**
72. **Nitipong Boon-Long, PhD,** Commercial Director, **Supernap**
73. **Supot Tiarawut,** Executive Director & Secretary General, **Telecommunications Association of Thailand**
74. **Austin Menyasz,** Director Public & Regulatory Affairs, **Telenor**
75. **Muhammad Asim Farooq,** Assistant Director Retail Payments, **Telenor Micro Finance Bank Limited**
76. **Swe Thu Han,** Head of Mobile Products, **Telenor Myanmar**
77. **Mohammad Shahed Siddiqui,** VP Head of Transport, Network Planning & Architecture, **Telenor Myanmar**
78. **Rungsun Channarukul,** Vice President, **Telephone Organisation of Thailand (TOT)**
79. **Edwin Purwandes,** Senior Manager Big Data Analytics Platform, **Telkom Indonesia**
80. **Agung Enriko,** Senior Manager IoT Platform, **Telkom Indonesia**
81. **Sri Safitri,** Project Director of CX Transformation**, Telkom Indonesia**
82. **Azmal Yahya,** Executive Vice President, Carrier Enterprise, **Telkom Indonesia**
83. **Simon Delord,** Principal Architect, **Telstra**
84. **Mukaddim Pathan,** Principal, End-to-End Technology Practices Architect, **Telstra**
85. **James McCartney,** Head of Strategic Partnerships, **Telstra**
86. **Ekaraj Panjavinin,** Managing Director, **True Digital Group**
87. **Korakot Chaovavanich,** Senior Data Scientist, **True Digital Group**
88. **Maxime Carpentier,** VP IoT Operations, **True Digital Group**
89. **Pasd Putthapipat,** Head of Data Science Product, **True Digital Group**
90. **Ramazan Demir,** VP Digital & Cyber Security Products, **Turk Telecom**
91. **Gaurav Kakkar,** Head of Digital, **VEON**
92. **Mandeshpal Singh Banvet,** Senior Manager, Product & Partner Strategy, **Verizon**
93. **Anson Tan,** General Manager, Singapore, **Viu, New Media, PCCW**
94. **Leo Nuo Jiang,** Head of Consulting & Innovation, **Vodafone Business**
95. **Allan Rasmussen,** Co-Founder, **We Connect Thailand**
96. **Amit Panda,** Head of Analytics Centre of Excellence, **XL Axiata**

# CONNECTED ASIA 2020 PRELIMINARY AGENDA (24TH MARCH)

| | CONNECTED THAILAND | |
|---|---|---|
| 09:00 | **Keynote Address**<br>Monsak Socharoentham, Vice President, Smart City Promotion, Digital Economic Promotion Agency, Thailand | |
| 09:20 | **Panel** | |
| 10:00 | **Networking Break** | |

| | CONNECTED MYANMAR | CONNECTED CAMBODIA |
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| 10:30 | **Chair's introduction & welcome remarks**<br><br>Ajay Sunder, Deputy Director, Strategy Carrier Division, SC-NEX | **Chair's introduction & welcome remarks**<br><br>H.E. Geo Rim, Ranking Secretary of State, Advisor to Ministry, Ministry of Posts & Telecommunications, Kingdom of Cambodia |
| 10:35 | **PANEL – Connected Myanmar: Technology, strategy & investment for next-generation connectivity**<br><br>Mya Han, CEO, Fortune Telecom | **PANEL – Connected Cambodia: Technology, strategy & investment for next-generation connectivity**<br><br>Ou Phannarith, Director of ICT Security, Ministry of Posts & Telecommunications, Kingdom of Cambodia |
| 11:15 | **PANEL – Connecting the hard to reach: Driving rural connectivity in Myanmar**<br><br>Mohammad Shahed Siddiqui, VP Head of Transport, Network Planning & Architecture, Telenor Myanmar | **PANEL – Connecting the hard to reach: Driving rural connectivity in Cambodia** |
| 11:55 | **Understanding the telco investment landscape in Myanmar** | **Understanding the telco investment landscape in Cambodia**<br><br>Ian Watson, CEO, Cellcard |
| 12:15 | **PANEL – Payment wallets: What is the telco strategy?** | **PANEL – Driving fibre optic development in Cambodia**<br><br>Saad Ullah Khan, Head of Network Operations, Cellcard |
| 12:55 | **Chair's summary & Close** | **Chair's summary & Close**<br><br>H.E. Geo Rim, Ranking Secretary of State, Advisor to Ministry, Ministry of Posts & Telecommunications, Kingdom of Cambodia |
| 13:00 | Networking lunch | |

| | CONNECTED VIETNAM | CONNECTED LAOS |
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| 14:00 | **Chair's introduction & welcome remarks** | **Chair's introduction & welcome remarks** |
| 14:05 | **PANEL – Connected Vietnam: Technology, strategy & investment for next-generation connectivity**<br><br>Tung Son Dang, Deputy CEO, CMC Telecom | **PANEL – Connected Laos: Technology, strategy & investment for next-generation connectivity** |
| 14:45 | **PANEL – Connecting the hard to reach: Driving rural connectivity in Vietnam**<br><br>Binh Vu, CEO, NetNam | **PANEL – Connecting the hard to reach: Driving rural connectivity in Laos** |
| 15:25 | **Understanding the telco investment landscape in Vietnam**<br><br>Duc Nam Nguyen, Head of International Department, Metfone | **Understanding the telco investment landscape in Laos**<br><br>Piyawat Jriyasetapong, Deputy Director General, Lao Telecommunication Company |
| 15:45 | **PANEL – Driving fibre optic development in Vietnam** | **PANEL – Driving fibre optic development in Laos** |
| 15:50 | **Chair's summary & Close** | **Chair's summary & Close** |
| 16:30 | Networking Drinks Reception | |

| Time | | | | | |
|------|---|---|---|---|---|
| 09:00 | Welcome remarks | | | | |
| 09:15 | Chair's opening remarks<br>**Natasak Rodjanapiches, Vice Chairman, Creative Digital Economy, Board of Trade Thailand** | | | | |
| 09:30 | Going digital: New technologies, new opportunities<br>**Su Ann Lim, Industry Head Telco & Technology, Google** | | | | |
| 09:50 | The next phase telco evolution, the growth of digital content: Esports case study<br>**Allan Phang,** Air Asia Esports, **Air Asia**<br>**Allen Hsu,** Regional Head of Strategic Partnership and eSports Development, **Garena**<br>**Carlos Alimurung,** CEO, **ONE Esports** | | | | |
| 10:10 | Title Sponsor Address<br>**Reserved for CAT Telecom** | | | | |
| 10:30 | Exhibition visit & networking refreshments | | | | |

| Time | CARRIERS WORLD ASIA 2020 | 5G | NETWORK VIRTUALISATION | TELCO 4.0 | INTELLIGENT CONNECTIVITY |
|------|---------|----|------------------------|-----------|--------------------------|
| | **Wholesale outlook: decreasing voice influence & the future of SMS** | **Getting 5G ready** | **Network virtualisation trends: Where does Asia fit?** | **Changing business models** | **Capitalising on the AI opportunity** |
| 11:30 | **Digital transformation panel: Wholesale innovation & drivers for a digital future.**<br><br>*New entrants into the market are disrupting the traditional landscape, while customers are demanding higher network reliability and bandwidth – How are carriers responding?* | **Paving the 5G roadmap – CEO's outlook panel:**<br><br>*As different markets face different circumstances which require different approaches – how do operators understand 5G development and the roadmap ahead?* | **PANEL: Operational shifts for telcos - Exploring software-based approaches**<br><br>• *Are traditional approaches to preparing for future service demand no longer sustainable?*<br>• *Assessing the complexity, scale, and rapidly evolving nature of next-gen networks and the services they deliver.*<br>• *What opportunities will NV provide to pursue software-based approaches that reduce costs both directly and indirectly?* | **AI & IoT panel: New services and revenue streams**<br><br>• *Exploring how AI and IoT are continuing to force operators to rethink the way they do business.*<br>• *How can WiFi as a service push the AI and IoT revolution?*<br>• *Is this another step to redefining Telcos as DSPs?* | **Sponsored presentation by Zendrive** |
| 11:50 | • *How do carriers adapt to current market pressures?*<br><br>• *What opportunities of growth are there for carriers moving into the digital future?*<br><br>**Speakers:**<br><br>• **Nitipong Boon-Long, PhD,** Commercial Director, **SUPERNAP**<br><br>• **Rasyefki Sultani,** Group Head of Digital Services**, Indosat Ooredoo**<br><br>• **Cedric Mauvielle,** VP Sales Mobility & Voice, **PCCW Global**<br><br>• **Azmal Yahya,** Executive Vice President, Carrier Enterprise, **Telkom Indonesia**<br><br>• **Gordon Hou,** Deputy Managing Director, Overseas Business, **Chunghwa Telecom** | • *Setting out a clear roadmap that has the requirements of the end-user/industry in mind, but also aligns with the timescales and expectations of individual APAC regions.*<br>• *How can operators develop a 5G roadmap that works for them?*<br><br>**Speakers:**<br><br>• **Ian Watson,** CEO, **Cellcard**<br><br>• **Binh Vu,** CEO, **NetNam** | | **Speakers:**<br><br>• **Korakot Chaovavanich,** Senior Data Scientist, **True Digital Group**<br><br>• **Tung Son Dang,** Deputy CEO, **CMC Telecom** | **PANEL: Introduction to Intelligent Connectivity Panel - The unparalleled opportunity**<br><br>• *How is the combination of 5G, big data, IoT and AI presenting an unparalleled opportunity for the telco industry?*<br><br>• *How will intelligent connectivity features allow telcos to deliver new technologies, ultrareliable and low latency connectivity, edge computing and network slicing?*<br><br>**Speakers:**<br><br>• **Amit Panda,** Head of Analytics Centre of Excellence**, XL Axiata**<br><br>• **Yaw Yeo,** Managing Director for International Business, **Alibaba Group** |

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| | | | | | • **Jay Shah,** Chief Data & Artificial Intelligence Officer, **MyRepublic** |
| 12:10 | **The Evolving Messaging Market: Exploring the future of SMS/RCS/A2P & beyond.**<br><br>*As mobile penetration continues to grow, the importance of SMS will too – how do carriers ensure they maintain a strong presence in the communications market?*<br><br>• *What role can carriers play in the revival of B2B SMS?*<br>• *Are there commercial benefits to RCS/A2P messaging?*<br><br>**Pruthisith Prateepavanich,** Head of Technology Innovation, **LINE Corp** | **Meeting the 5G thirst for capacity:**<br><br>*With the evolution of mobile networks, how are operators adapting to 5G capacity requirements that are significantly rising across networks?*<br><br>• *Can operators continue to fulfil the consumer demand of a fully mobile and connected society?*<br>• *Exploring avenues for increased network capacity in the scale of connectivity and traffic volume density.*<br><br>**Sponsored presentation by Mavenir** | **Presentation by MetaSwitch** | **Presentation by ServiceNow** | • **Pasd Putthapipat,** Head of Data Science Product, **True Digital Group** |
| 12:30 | Exhibition visit & networking lunch | | | | |

| | Regional Hot Spots: Asian Market | 5G business models & monetisation | SDN/NFV | Fostering innovation | Big Data & Analytics |
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| 14:00 | **South Korea: Building Asia's first 5G market**<br><br>• *Country update on 5G rollout network speeds and commercial pricing.*<br>• *Development of 'Life Innovation' smart technologies including IoT technologies & smart city infrastructure.*<br>• *Infrastructure uses cases – where are new opportunities possible? Sports stadiums.* | **Making 5G Pay - cost, coverage and rollout: Measuring the financial implications**<br><br>• *Assessing the monetization of 5G.*<br>• *Does 5G present FWA broadband opportunities that realise attractive returns on overall 5G investment?*<br>• *Do higher speeds create value?* | **PANEL B**uilding the next generation network panel:<br><br>• *Is the shift to SDN/NFV set to transform the telecommunications industry?*<br>• *Will next generation networks allow telcos to rapidly adjust to dynamic market needs in a lower-cost and scalable way?*<br>• *Should operators be re-examining the way they define themselves?*<br><br>**Speakers:**<br><br>• **Anuradha Udunuwara,** Senior Engineer, **Sri Lanka Telecom**<br><br>• **Simon Delord,** Principal Architect, **Telstra**<br><br>• **Mandeshpal Singh Banvet,** Senior Manager, Product & Partner Strategy, **Verizon** | **M1 transformation: The digital telco**<br><br>• *Examining the growth of M1's first phase transformation programme.*<br>• *How are we moving towards the next-gen telco?*<br><br>**Nathan Bell,** Chief Digital Officer, **M1** | **Unlocking Big Data insights panel – practical applications & why operators can no longer afford to ignore the power of big data & analytics**<br><br>• *Are old techniques and methods in managing data no longer relevant?*<br><br>• *How can data science applications be maximised to increase revenue, grow business strategies and visualize data?*<br><br>• *In what ways can operators adopt applications that can unlock the growing amount of data that they are collecting?*<br><br>• *How can operators harness the volume, variety and velocity of their big data to maximise their revenue potential?*<br><br>• *Can big data technology provide a solution to the challenge's operators face in real-time decision making?* |

| 14:20 | The Philippines' 3rd Telco: Building rural connectivity and improving choice | PANEL: Large scale 5G rollout - lessons from Asia's telco tech leaders | NFV: How will Telcos find business success by adopting virtualization? | Open source solutions: A Telstra innovation case study | Speakers: |
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| | • Current market conditions in 2020 – exploring tasks ahead.<br>• How can partnerships be established to improved solutions and services?<br>• What are the benefits of new government policy and partnerships with third party providers? | *South Korea is the only country to roll out 5g on a large scale.*<br><br>• *Understanding 2019 5G rollout experiences.*<br>• *How are South Korea's three major mobile operators deploying next-generation networks.*<br>• *Is 5G the key to ushering in an API economy?*<br>• *Is it too early to judge the success of 5G in South Korea?* | *A key driver for Telcos is that NV promises to help operators reuse existing assets to be more flexible and agile in markets that are often very competitive - what user casers can Telcos learn from, and how can they use these examples to succeed in their own NV adoption?*<br><br>**Presentation by Century Link** | • *How is investment in faster networks, precision agriculture, e-health and robotics driving Telstra's innovation agenda?*<br>• *Unlocking the opportunity of investing in innovation: Why you need to be doing it*<br>• *Working with cross-industry partners to bring innovation to life*<br><br>**Simon Delord,** Principal Architect, **Telstra** | • **Pedro Uria-Recio,** VP Head of Axiata Analytics, **Axiata**<br><br>• **Asif Muhammad Iqbal,** Head of Data Science, **Digi Telecommunications**<br><br>• **Nu'man Faqih,** Assistant Vice President for B2B Data Center & Cloud Solution, **Indosat Ooredoo** |
| 14:40 | **Japan: The Tokyo 2020 opportunity**<br><br>• *What are the current network infrastructure plans for Tokyo 2020?*<br>• *Updates on the launch of 5G and expectations for 2020.*<br>• *Prospects for achieving revenue growth.*<br><br>**Satoshi Nagata,** Vice Chairman, 3GPP TSG-RAN & Manager, **NTT Docomo** | | **Restructuring your legacy network**<br><br>• *Restructuring the operating network: Operations, innovation & technology*<br>• *Are telcos moving towards segmentation and fixed-mobile integration?*<br>• *Can operators reduce time to market by innovating their current legacy systems into ones that agile and able to adapt easily to a constantly changing environment?*<br><br>**Hideki Nishizawa,** Senior Research Engineer, **NTT Innovation Laboratories** | **Fostering innovation through partnerships**<br><br>• *Establishing open partnerships between operators?*<br>• *How can establishing partnerships with application providers and device vendors aid the growth of new IoT technologies?*<br><br>**Sri Safitri,** Project Director of CX Transformation, **Telkom Indonesia** | **Viewing big data as an opportunity, rather than a problem**<br><br>• *Does IoT + big data = opportunity?*<br>• *How can IoT & big data provide telcos with unique business insights that could potentially open doors to new revenue streams or improve operational efficiencies?*<br><br>**Leo Nuo Jiang,** Head of Consulting & Innovation, **Vodafone Business** |
| | **Preparing for the roaming explosion** | **5G business models & monetisation** | **Operator case studies** | **OTTs & content** | **Blockchain** |
| 15:00 | **PANEL Next-generation roaming: Challenges amidst changing times**<br><br>• Should operators be formulating an industry wide strategy to prepare for regulatory change?<br><br>• *How can carriers ensure that data services continue to grow?*<br><br>• Addressing technological challenges that need to be resolved so operators can tap latent demand for new services while roaming. | **Reducing rollout risks**<br><br>• *Is there a single path to 5G readiness?*<br>• *Assessing 5G business models and wireless backhauls.*<br>• *How do Telcos reduce roll out risks?*<br>• *What lessons can be learned from current operators rolling out 5G?* | **Telekom Malaysia**<br><br>• *How has Telekom Malaysia enhanced efficiency and performance with the virtualization of business-critical applications?*<br>• *Understanding Telekom Malaysia's migration from legacy systems to a cloud environment.*<br>• *Assessing the benefits of virtualization: an enhanced customer service experience.* | **Measuring the demand for big data: How are telcos pushing into content?**<br><br>• *Operators are reacting to the rise in OTT providers by providing their own catalogue of video-on-demand services.*<br>• *Can operators extract from both sides of the OTT business model by selling their traditional services to content owners?*<br>• *What can operators do to focus on new high added value services that appeal to new use bases?*<br><br>**Anson Tan,** General Manager, Singapore, **Viu, New Media, PCCW** | **A clear path to blockchain technology**<br><br>• *How can blockchain technology cater for telcos need for data while simultaneously creating new services?*<br>• *Is blockchain the perfect risk mitigation opportunity for telcos?*<br>• *Can blockchain technology play a role in mobile fraud prevention and network security?* |

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| **15:20** | | **AI within 5G networks: The role of AI in the mobile networks of the future**<br><br>• *Understanding the Impact of AI on telco networks*<br>• *Reducing capital expenditure, optimizing network performance and building new revenue streams*<br>• *How is AI addressing the complexities of new challenges caused by 5G?*<br><br>**Jukka-Pekka Salmenkaita,** Director of AI & Machine Learning, **Elisa** | **Rakuten Mobile**<br><br>A talk through Rakuten's evolution and transformation in building the end-to-end virtualized, cloud-based, 5G ready mobile network.<br><br>**Anshul Bhatt,** Network Automation & OSS Lead, **Rakuten Mobile** | **PANEL: Video service growth: Building Telco-OTT partnerships**<br><br>• *The growth of video services as the most popular area for partnership between Telcos and OTTs*<br>• *How can Telco-OTT partnerships increase ventures within the video services?*<br>• *How are Telco-OTT partnerships moving beyond just bundling?*<br><br><br>**Speakers:**<br><br>• **Kimmy Suraphongchai,** Country Manager, Thailand, **iflix**<br><br>• **Ghassan Saad,** Director of Video Services, **Du**<br><br>• **Siwaporn Pengpol,** Head of Video and Broadcasting Business, **AIS** | **Where is the value for telcos? Blockchain technology, security & mobile payments panel**<br><br>• *How do connectivity and payment security enhance the role of blockchain technology in increasing value and revenue growth opportunities for telcos?*<br>• *Can blockchain allow telcos to deliver valuable services through digital identity validations and assuring enhanced device security?*<br>• *By implementing blockchain technology, will this provide operators with the opportunity to facilitate rapid and secure payments amongst users?*<br><br><br>• **Aayush Bhatnagar,** SVP Software Development, **Reliance Jio**<br><br>• **Richard Rowland,** Senior Software Engineer, Blockchain Developer, **Softbank Telecom** |
| **15:40** | **The European roaming market: What can APAC learn**<br><br>• *Impact of regulatory rules on prices.*<br>• *How have regulators driven prices down where mobile revenues and profit pools are affected by low mobile termination rates?*<br>• *Assessing new international roaming regulations.*<br>• *What can APAC carriers learn from the success of the European roaming explosion?*<br><br>**Jussi Lehmuskallio,** Managing Director, **Elisa Hong Kong** | **The digitized consumers: Delivering profitable customer experience for 5G networks**<br><br>• *How 5G will open the door to innovations such as network slicing, micro-targeting, IoT, & virtualization.*<br>• *What will be the key to closing the gap between what the network is capable of and how the operator monetizes those capabilities?*<br>• *How can 5G simultaneously provide for consumer needs and Telco profitability?*<br><br>**Rob Van Den Dam,** Global Telecom Industry Leader, **IBM Institute for Business Value** | **Ooredoo Qatar**<br><br>• Discussing benefits of reduced costs for operators through the virtualization of their network infrastructure?<br>• How has Ooredoo set its sights on leading-edge NFV technology to move past the limitations of legacy systems?<br>• Delivering on the virtualization promise of scalability, agility and flexibility. | | |
| **16:00** | Exhibition visit & networking refreshments | | | | |
| | **Keynote Plenary: Regulatory innovation in APAC's telco landscape** | | | | |
| **16:40** | Platinum Sponsor Address | | | | |
| **17:00** | **'Regulation panel: Discussing Asia's regulatory landscape'**<br><br>• **Ong Tong San,** Senior Director, Market Access & Competition, **Infocomm Development Authority (IMDA)**<br>• **Foong Chee Kheong,** Head of Group Regulatory Affairs, **Axiata**<br>• **Austin Menyasz,** Director Public & Regulatory Affairs, **Telenor**<br>• **H.E. Sok Puthyvuth,** Secretary of State, **Ministry of Posts and Telecommunications, Cambodia** | | | | |
| **17:40** | Networking Cocktail Reception | | | | |

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| **DAY TWO**<br>**THURSDAY 26th MARCH, 2020** | | | | | |
| **Keynote Plenary: Cybersecurity & the telco** | | | | | |

| 09:00 | Chairman's remarks<br>• **Ajay Sunder,** Deputy Director, Strategy Carrier Division, **SC-NEX** |
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| 09:10 | **Asia's 5G future**<br>• **Katrina Luna-Abelarde,** CEO, **PLDT**<br>• **Thomas Hundt,** CEO, **Smart Axiata**<br><br>**Moderated by Ajay Sunder,** Deputy Director, Strategy Carrier Division, **SC-NEX** |
| 09:30 | Platinum Sponsor Address |
| 09:50 | **The next-phase in the telco evolution:**<br>• **Anand Prasad,** CISO, **Rakuten Mobile** |
| 10:10 | **Digital Platform Transformation**<br>• **Stephen Kruger,** Head of Engineering, **Grab** |
| 10:40 | Exhibition visit & networking refreshments |

| | CARRIERS WORLD ASIA 2020 | 5G | NETWORK VIRTUALISATION | TELCO 4.0 | INTELLIGENT CONNECTIVITY |
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| | **New revenue opportunities** | **5G trials update** | **Next-gen network strategies** | **Fintech, mobile banking & payments** | **IoT strategy & planning: Capitalising on opportunities** |
| 11:30 | **Technological drivers to new services & revenue streams**<br><br>• *Emerging challenges for carriers in combatting quick change and lasting disruption.*<br>• *What are the key technological trends that will drive carriers through 2020 and beyond?*<br>• *How are carriers harnessing new technologies to improve revenue streams?*<br><br>**Rangarajan Kalyanasundaram,** CEO Enterprise Business, **Smartfren Telecom** | **Where do we think 5G is going? Panel - The 5-year plan**<br><br>• *What are the main trends to look out for over the next 5 years?*<br>• *What do initial updates on 5G networks promise over the next 5 years?*<br>• *Where do Telcos aim to be by 2025?*<br>• *Will the 5G rollout be as influential as 4G?*<br><br>*Moderator: Russell Lundberg, CTO, Bangkok Beach Telecom*<br><br>• **Dana Dong,** Co-CEO, **HyalRoute Communication Group Limited, Myanmar**<br><br>• **Anik Dhar,** Head of Digital Product, **Banglalink** | **Defining Network Strategies**<br><br>• *Should all operators be adopting virtualization as their de facto operating model?*<br>• *How do operators converge their networks from previously standard ways of operating to networks open to virtualization?*<br>• *To what extent is virtualization changing infrastructure networks in the same way it changed data centres?* | **Virtual Banking: Are Telcos being left behind again?**<br><br>• *How can Telcos enter the retail banking market?*<br>• *How does mobile banking make sense for a Telco?*<br>• *What sort of mobile financial services can a Telco provide?*<br>• *How should a Telco enter the mobile banking market?*<br><br>**Muhammad Asim Farooq,** Assistant Director Retail Payments, **Telenor Micro Finance Bank Limited** | **PANEL: Telcos as the key contributor to the IoT ecosystem**<br><br>*The growth of IoT has meant that operators are no longer operating under traditional business models – how can operators navigate the expanding OEM ecosystem to provide a better experience for subscribers?*<br><br>• *What challenges face operators in becoming the key enabler of connectivity to the IoT ecosystem?*<br>• *How do operators improve customer experiences when using multiple IoT devices?*<br>• *To what extent has IoT blurred the lines between OTT services and telcos?*<br><br>**Speakers:**<br><br>• **Maxime Carpentier,** VP IoT Operations, **True Digital Group**<br><br>• **Pradeep Sreedharan,** SVP IoT Business, **Reliance Jio** |
| 11:50 | **The future of carriers network architectures**<br><br>**Kenji Kumaki,** Chief Architect, **KDDI Corporation** | | **The future of network virtualization**<br><br><br>*Network virtualization has opened new business opportunities – how does this inform the way operators share infrastructure, engineering, technologies and network maintenance?*<br><br>• *What is the future of NV?*<br>• *How do Telcos maximise their business opportunities with network virtualization?* | **Tailored Service = Tailored Billing**<br><br><br>• *Is there now greater expectations operators to provide their customers with innovative – largely network-agnostic – services?*<br>• *How can operators offer options that meet the demands for emerging billing and payment methods alongside traditional ones?*<br>• *How can Telcos use their understanding of customer demands* | |

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| | | | **Raden Kurnia Supriadi,** Head of Core Network Strategy Architecture & Solution, **Indosat Ooredoo** | *to approach clients on the most appropriate channel and supply them with innovative, tailored billing products?* | |
| **12:10** | **Digital Distribution: New Revenue Opportunities**<br><br><br>**Waliul Islam,** Head of Digital Distribution, **Grameenphone** | **5G planning and spectrum capabilities**<br><br>• *Are operators running out of LTE capacity?*<br>• *Assessing dilemmas faced in users experiencing slowdowns during busy times of the day.*<br>• *Is the shift to 5G changing the way we interact with technology on a day-to-day basis?*<br>• *Is 5G a necessity if we want to continue using mobile broadband?*<br><br>**Supot Tiarawut,** Executive Director & Secretary General, **Telecommunications Association of Thailand** | **Network service chaining & increasing operating efficiency**<br><br>• *How is network service chaining included in SDN and network virtualisation use cases?*<br>• *Understanding the benefit of network service chaining in new technologies, including data centres, carrier networks and virtual customer edge computing.*<br>• *What are the challenges surrounding network service chaining?* | **Case Study: NTT's Fintech Ecosystem**<br><br><br>**Filippo Giachi,** VP & Global Head of Solution Sales, **Docomo Digital** | **Creating value beyond connectivity**<br><br>• *Do telcos lack a well-defined IoT (IoT) strategy?*<br>• *Is IoT a solution to creating new delivery models for as-a-service and online services?*<br>• *How is IoT driving innovation with both partners and customers?*<br><br>**Agung Enriko,** Senior Manager IoT Platform, **Telkom Indonesia** |
| **12:30** | Exhibition visit & networking lunch | | | | |
| | **MVNO opportunities** | **Spectrum & standards** | **Network security & data privacy** | **Telco cybersecurity future** | **Smart cities & the telco** |
| **14:00** | **Addressing the MVNO market consolidation and maturing**<br><br>• Has the MVNO market reached the peak of the maturity stage or is it still at the growth stage just at a slower rate?<br><br>• How are the MVNO and wholesale industries addressing roaming changes, data pricing and how can they innovate in terms of their wholesale agreements?<br><br>**Ash Saini,** General Manager, **Lebara, Australia** | **Regulatory compliance panel**<br><br>• *The importance of regulation in opening up the operator market and changing business models.*<br>• *Will regulation have a major impact on Telcos since public subsidies could finance the network?*<br>• *How will the payment of fees for mobile spectrum licenses impact regulatory compliance?*<br><br>**Speakers:**<br><br>• **H.E. Geo Rim,** Ranking Secretary of State, Advisor to Ministry, **Ministry of Posts & Telecommunications, Kingdom of Cambodia** | **PANEL: Cross-border law and regulation**<br><br>• *Are operators stuck between users' desire for privacy and increasing regulatory demands for retention and access to data.*<br>• *How do operators regionally circumnavigate between differing domestic laws?*<br>• *Can operators adjust and adapt their business models to cooperate with conflicting rules in the jurisdictions in which they operate?* | **Cybersecurity: A surprising opportunity for Telcos?**<br><br>• *Can operators become trusted enterprise security partners for multiple organizations?*<br>• *Can criminal risks surrounding smart devices allow operators to use cybersecurity as an opportunity to establish trust by providing services on securing end subscriber devices?* | **What role should a Telco play in smart city development?**<br><br>• *Where are telcos currently in smart city connectivity?*<br>• *Can telcos look towards greater participation in smart cities by providing platforms and other IT infrastructure needed for Smart City deployment?*<br>• *Can the role of telcos go beyond connectivity and platform support?*<br>• *Is it possible for telcos to completely manage a smart city ecosystem?*<br><br>**Andy HyunJoo Lee,** Executive Director Global Business Group, **Korea Telecom** |
| **14:20** | **PANEL: Asia's big MVNO opportunity**<br><br>• *Tapping on MVNO's provide opportunities for growth.* | • **Foong Chee Kheong,** Head of Group Regulatory Affairs, **Axiata** | | **Preparing for emerging cyber security risks in Telco industry**<br><br>• *How are operators responding to emerging challenges to adopt greater practices for emerging cyber risks?* | **Preparing smart cities with big data and IoT**<br><br>• *What challenges in connectivity are telcos currently facing in the building of smart cities?* |

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| • How are new technologies, AI & NFV allowing MVNOs to shape the APAC market?<br>• Are MVNOs simply a brand extension or are they becoming serious players in their own right?<br><br>*Moderator: Allan Rasmussen, Co-Founder, We Connect Thailand*<br><br>**Speakers:** | | | • Do new emerging technology like 5G, IoT, NFV, SDN present a more proactive security risk?<br>• Should Telcos now establish cybersecurity as an "in-line" process activity rather than a separate activity?<br><br>**Ramazan Demir,** VP Digital & Cyber Security Products, **Turk Telecom** | • Can big data and IoT play a key role in ensuring strong and secure smart city connectivity?<br>• Should telcos be working closer with local authorities in smart city development?<br><br>**Edwin Purwandes,** Senior Manager Big Data Analytics Platform, **Telkom Indonesia** |
| **14:40** | | | | |
| • **Danny Sritharan Arumugam,** Director of International Expansion, **Circles.Life**<br><br>• **Rungsun Channarukul,** Vice President, **Telephone Organisation of Thailand (TOT)**<br><br>• **Hurman Mok,** Innovative Business Director, **China Mobile International**<br><br>• **Imamul Hoq Bapp,** Head of Technology, **Grameenphone**<br><br>• **Farid Yunus,** CEO, **redONE** | **Standards: Spectrum's key role in the operation & development of 5G**<br><br>• To what extent will spectrum will play a key role in the operation, development and roll-out of 5G?<br>• How will peak data rates be driven by the amount of spectrum that is available to a wireless service?<br><br>**Purva Rajkotia,** Director, Global Insights and Intelligence, **IEEE** | **Moving beyond traditional network models: A11-IP future**<br><br>*As operators move to Network Virtualization and Software Defined Network – how do operators address the challenging security environment?*<br><br>• Should more operators consider are moving to an "All-IP" infrastructure model?<br>• How vital could "All-IP" be for securing information technology networks that can address many of the security risks observed on the networks today? | **Managing regulatory obligations**<br><br>*Operators are having to place a significant focus on regulatory compliance, specifically with the ongoing convergence with media and banking sector – how are operators required to adhere to cyber security regulations applicable in the banking and media sectors?*<br><br>• Will greater compliance on cybersecurity regulation lead to a more effective adoption of regulatory requirements across industry?<br>• How are Telcos preparing to meet the regulatory requirements for services that shall be offered in future?<br><br>**Ou Phannarith,** Director of ICT Security, **Cambodia Ministry of Posts and Telecommunications** | **Role of 5G**<br><br>• Is 5G commercially viable for smart cities?<br>• How can telcos offset the cost of new infrastructure is expensive, and give confidence to smart city developers?<br>• What role will 5G play in interconnecting IoT smart city products?<br><br>**Dr. Suhono Supangkat,** Director, **Smart Cities & Communities Innovation Centre, Indonesia** |

| | Integrating satellite communications | 3G & 4G revolution | Network scale-up | Redefining the customer experience | Cloud Computing |
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| **15:00** | **Acquiring satellite bandwidth: Options for carriers in APAC**<br><br>• The increasing role the satellite communication industry will play in providing 5G.<br>• Examining the importance of the satellite industry as a strategic partner in expanding telco networks.<br>• How will 5G bring carriers and the satellite communications together? | **PANEL: The 4G future**<br><br>• As large-scale 4G rollout continues, how will it be supported by the acquisition of new spectrum frequencies?<br>• Are last-mile connections to the home still a scene of continued investment?<br>• Will the shift from 4G to 5G drastically impact the future of global communication networks?<br><br>**Speakers:** | **Edge computing: Application development for users and markets**<br><br>*In order to capitalize on the potential of edge computing – how can operators provide software applications to deliver content delivery services and IoT edge devices in a decentralized ecosystem?*<br><br>• Discussing the potential of mobile edge computing applications and their compatibility in future markets.<br>• How can AR services be incorporated into edge computing applications? | **How can digital transformation enhance the customer experience? Panel**<br><br>*As operators continue to capture significant amounts of information on individuals – what opportunities are available to provide services based on this data?*<br><br>• How is cybersecurity is being positioned by larger operators to stress their commitment to customer on providing trusted services?<br>• How is AI changing the way Telcos enhance their customer experience? | **Moving to a cloud-based platform**<br><br>• What are the challenges and concerns for telcos as they move toward cloud-based platforms?<br>• Addressing technical issues such as standards, security, performance and data compliance.<br>• How do telcos deliver business value to users while also extending sustainability?<br><br>**Kelvin Chua,** Head of Engineering, **Circles.Life** |

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| | | • **Piyawat Jriyasetapong,** Chief Commercial Officer, **Lao Telecommunication Company** | **Woohyun Nam,** Senior Technical Manager, **SK Telecom** | **Speakers:**<br><br>• **Sandra De Zoysa,** Group Chief Customer Officer, **Axiata**<br><br>• **Ram Chakravarthy,** National Head & Vice President – Service Excellence, **Reliance Jio**<br><br>• **Swe Thu Han,** Head of Mobile Products, **Telenor**<br><br>• **Serdar Senay,** Marketing Director, **Du**<br><br>• **Ekaraj Panjavinin,** Managing Director, **True Digital Group** | |
| 15:20 | **Assessing the case for satcoms financing: Role of satellite communications in the 5G future**<br><br>• Exploring the impact of growth rates, strategy, business models and potential for market success.<br>• Does the satellite market present a long-term investment opportunity for carriers?<br>• Discussing bandwidth options for carriers in the APAC region.<br>• Learn how satellite services are becoming easier to acquire, install and manage. | | **Network Slicing**<br><br>• *Does network slicing, along with SDN + NFV, provide the answer on how operators can achieve both increased efficiencies and revenues, through differentiation and faster time-to-market?*<br>• *How does network slicing allow the creation of multiple virtual networks atop a shared physical infrastructure?*<br>• *How will network slicing play a key role in the success of 5G rollout?* | | **The value of cloud computing for telcos: Increased data efficiency and operations**<br><br>*Exploring the benefits of cloud computing in enabling innovation, scalability and support for core functions.*<br><br>• *How does cloud computing reduce the need for additional hardware, software and facilities?*<br>• *Moving to a cost and time efficient platform.*<br>• *The importance of cloud computing for network architecture, virtualization and infrastructure for service providers.* |
| 15:40 | | **By no means over: Is 4G continuing to lead the way APAC?**<br><br>*In 2020, 4G will be the leading mobile network technology worldwide – why is 4G growing, rather than decreasing in relevance?*<br><br>• *Discussing the continued growth of 4g in developing markets.*<br>• *How are 5G commercial launches across APAC influencing leading 4G mobile network technology?*<br><br>**Aamer Ejaz,** Head of Carrier Services, **PTCL, Pakistan** | **Scaling NV through cloud native networks**<br><br>• *The importance of virtualization to building cloud-native networks.*<br>• *Challenges in implementing the key components of end-to-end cloud native network.*<br>• *How are APAC operators currently using cloud native applications and business models?* | **Adapting to a customer centric world**<br><br>• *Has the use of smartphones has changed customer behaviour and their expectations interacting with operators?*<br>• *Must operator consider adapting their customer experience models in order to meet their evolving needs?*<br>• *How do Telcos meet rising customer expectations and transform into a more customer-centric operators?*<br><br>**Ahmed Saady Yaamin,** Executive Vice President, Market Strategy and Planning, **Robi Axiata** | **James McCartney,** Head of Strategic Partnerships, **Telstra** |
| 16:00 | Closing networking refreshments | | | | |

**Close of Telecoms World Asia 2020. See you in 2021!**