

## **FTTH APAC CONFERENCE 2017 AGENDA**

### **PRE-EVENT: MONDAY 24<sup>th</sup> APRIL**

**7:00PM – 8:00PM      PRE-EVENT DRINKS RECEPTION**

Please join us at our official FTTH APAC Conference opening drinks reception offering the perfect opportunity to see familiar faces and make some brand new connections in a fun packed evening.

### **DAY ONE: TUESDAY 25<sup>th</sup> APRIL**

**8:00AM                      REGISTRATION AND NETWORKING BREAKFAST**

**9:00AM - 9:10AM        WELCOME REMARKS FROM THE FTTH COUNCIL APAC**  
**Mr. H. Munasir Choudhury, Director General, FTTH COUNCIL ASIA-PACIFIC**  
**Mr. Wataru Katsurashima, President, FTTH COUNCIL ASIA-PACIFIC**

**9:10AM - 9:15AM        LIGHTING OF THE LAMP CEREMONY**

**9:15AM - 9:25AM        OFFICIAL WELCOME**  
**Mr. N. Sivasailam, Additional Secretary, DEPARTMENT OF TELECOMMUNICATIONS**

**9:25AM – 9:40AM        KEYNOTE SPEECH: ACHIEVING THE DIGITAL FUTURE**  
**Mr. R.S. Sharma, Chairman, TELECOM REGULATORY AUTHORITY OF INDIA (TRAI)**

**9:40AM – 9:50AM        CHIEF GUEST SPEAKER**  
**Invited: Mr. Manoj Sinha, Minister of Communications, GOVERNMENT OF INDIA**

**10:00AM – 10:30AM      INAUGURATION OF EXHIBITION**  
**Invited: Mr. Manoj Sinha, Minister of Communications, GOVERNMENT OF INDIA**

**10:00AM – 10:30AM      COFFEE AND NETWORKING BREAK**

**10:30AM – 11:10AM      PRESENTATION FROM OPERATOR CO-HOSTS**  
**Chair: Mr. G K Upadhyay, Member (Technology), DEPARTMENT OF TELECOMMUNICATIONS**

**Opening Remark: Mr. Wataru Katsurashima, President, FTTH COUNCIL ASIA-PACIFIC**

**Moderator: Mr. Wes Oxlee, Secretary, FTTH COUNCIL ASIA-PACIFIC**

**Speaker 1: Mr. P Balaji, Director - Regulatory, External Affairs & CSR, VODAFONE INDIA LTD**

**Speaker 2: Mr. Anuj Jain, President of Networks, RELIANCE JIO**



11:10AM – 11:40AM

**TRANSFORMING LIVES WITH LAST MILE FIBER CONNECTIVITY**

**Dr. Badri Gomatam, Chief Technology Officer, STERLITE Technologies Ltd.**

11:40AM – 12:25PM

**QUICK FIRE PRESENTATIONS: ASIA-PACIFIC CASE STUDIES**

This session will present case studies of the most exciting and innovative FTTH deployment examples across Asia-Pacific.

**Chair: Mr. Sanjay Singh, Administrator USOF and CMD-BBNL**

**CASE STUDY ONE:**

**Speaker 1: Mr. Hironori Tanada, Executive Manager, Access Network Division Network Department Plant Headquarters, NTT WEST**

**CASE STUDY TWO:**

**Speaker 2: Mr. Zhang Pei, Chief Inspector of Home Internet Research, CHINA UNICOM NETWORK TECHNOLOGY RESEARCH INSTITUTE**

**CASE STUDY THREE:**

**Senior Representative, ETISALAT**

12:25PM – 1:10PM

**BUILDING THE FOUNDATION OF AN FTTX FUTURE - UNDERSTANDING THE CHALLENGES AND SOLUTIONS FOR FASTER FTTH DEPLOYMENT**

- How crucial will FTTH be to the movement towards wireless? Will hybrid fiber play a role?
- What are the key technologies that are used for planning?
- How can businesses speed up deployment and reduce the cost of fiber construction?
- What are the best practices for deployment?
  - o How do you tackle different types of terrain?
  - o As revenues go down and expenditures go up, is using the common utility corridor approach the most effective deployment method? Who has successfully used this model?
  - o How has NGPON planning played a vital role in cost reduction?
  - o Is there a time when aerial deployment can be preferential over underground networks?
  - o While the ITU suggests duct sharing as one of the least expensive methods for deployment, why has the uptake not matched expectation?

**Chair: Mr. N. Sivasailam, Additional Secretary, DEPARTMENT OF TELECOMMUNICATIONS/**

**Mr. Sanjay Singh, Administrator USOF and CMD, BBNL**

**Moderator: Mr. Roland Montagne, Principal Analyst, IDATE**

**Speaker 1: Mr. Zhang Pei, Chief Inspector of Home Internet Research, CHINA UNICOM NETWORK TECHNOLOGY RESEARCH INSTITUTE**

Speaker 2: **Kara Mullaley**, Global FTTH Marketing Manager, **CORNING**

Speaker 3: **Mr. Ravi Jesupaul**, VP & Global Delivery Head of Communications, **CYIENT**

Speaker 4: **Mr. Craig Price**, SVP, International projects, **PCCW GLOBAL**

Speaker 5: **Mr. Wajeeh Anwer**, EVP Tech North, **PTCL**

1:10PM – 1:50PM

**INTERNET FOR EVERYONE: THE ROADMAP TO DELIVERING INTERNET TO URBAN AND RURAL AREAS**

This session will explore the key differences in deploying fiber in these areas. The session will focus on cost effectiveness of deployment, business case for rural areas (and key e-governance services driving demand), technologies and methods for dealing with different settings and the impact of smart cities on today's investment.

Chair: **Mr. Dinesh Tyagi**, CEO, Common Service Centre, **MEITY**

Moderator: **Mr. Anil Pande**, Vice Chair, FIBER AS A SERVICE (FAAS) COMMITTEE, **FTTH COUNCIL ASIA-PACIFIC**

Speaker 1: **Mr. B. K. Mittal**, Director, **BHARAT BROADBAND NETWORK LIMITED (BBNL)**

Speaker 2: **Mr. Vipin Tyagi**, Executive Director & Chairman, **CENTRE FOR DEVELOPMENT OF TELEMATICS (C-DOT)**

Speaker 3: **Mr. Pratik Shah**, Global Technical Marketing Director, **DSM**

Speaker 4: **Mr. R.K Bahuguna**, Chairman and MD, **RAILTEL CORPORATION OF INDIA**

Speaker 5: **Mr. Sandeep Bhatnagar**, CEO, **TATA COMMUNICATIONS**

Speaker 6: **Mr. Sandeep Bhargava**, VP Corporate Affairs & Public Policy, **VODAFONE INDIA**

1:50PM – 2:50PM

**LUNCH AND NETWORKING BREAK**

**TECHNICAL PRESENTATION THEATRE**

Listen and watch live demonstrations of the most innovative technologies changing the landscape of FTTH deployment at the "TECHNICAL PRESENTATION THEATRE" in the exhibition

**AFTERNOON STREAMS**

2:50PM – 3:35PM

**DEPLOYMENT CHOICES & TRADE-OFFS IN FTTH DISTRIBUTION NETWORKS**

Speaker 1: **Kara Mullaley**, Global FTTH Marketing Manager, **CORNING**

**INTERNATIONAL ROUNDTABLE**

Chair: **Mr. Shashi Ranjan Kumar**, Joint Secretary Telecommunications, Department of Telecommunications

Pending speakers:

**Mr. Abdus Somad Arief**, CTO, PT TELEKOMUNIKASI INDONESIA (pending)

**Mr. Mohd Razman Rusli**, Assistant General Manager, TELEKOM MALAYSIA BERHAD (pending)

**Mr. Ajay Kumar Kadel**, Engineer, NEPAL TELECOM (pending)

**Mr. Bernhard Van der Merwe**, General Manager Network Design & Implementation, OMANTEL (pending)

**Mr. Mohammed Alghamd**, Work Centre Manager, SAUDI TELECOM COMPANY (STC) (pending)

**Mr. Marwan Bin Shakar**, VP, DU (pending)

3:35PM – 4:20PM

**GOT FIBER? - USE IT WISELY**

Speaker 1: **Mr. Thomas Martin**, Director of Principal Engineering, CALIX

**FIBER VS OTHER SERVICES: UNDERSTANDING ALTERNATIVE TECHNOLOGIES**

As the number of services demanding faster connectivity increases, this session will discuss pros and cons of the following technologies, including bandwidth per watt and carbon footprint, and how they compare with fiber technology:

- FTTC/ Fixed Wireless
- FTTB/G.fast solutions
- 2.4 and 5 GHz multi-band WiFi
- G.hn for home wiring via copper, coax, power cables
- Will we ever have a completely fiber-only network system?
- Will the role use of FTX in mobile and cable networks increase FTTH deployment in APAC?



	<ul style="list-style-type: none"> <li>• Is fiber the only to ensure a future proof network?</li> <li>• Which services can only be accommodated by fiber broadband?</li> <li>• What is the next generation of fiber access systems?</li> </ul> <p><b>Chair: Mr. D P De, Senior DDG (TEC), DEPARTMENT OF TELECOMMUNICATIONS</b></p> <p><b>Moderator: Mr. Jin Park, Director, FTTH COUNCIL ASIA-PACIFIC</b></p> <p><b>Speaker 1: Mr. Amirthanathan Prashanthan, FTTH Project Engineer, SRI LANKA TELECOM PLC</b></p> <p><b>Speaker 2: Mr. Dileep Agrawal, Founder, WORLDLINK COMMUNICATIONS</b></p> <p><b>Pending speakers:</b></p> <p>Senior representative, <b>BKTEL</b> (pending)</p> <p>Senior representative, <b>VIAMI SOLUTIONS</b> (pending)</p> <p>Senior representative, <b>TEIJIN</b> (pending)</p>
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4:20PM – 4:45PM

**COFFEE AND NETWORKING BREAK**

4:45PM - 5:30PM

**THE ROLE OF FIBER IN THE ROADMAP TO 5G**

- What are the necessary backhaul challenges and requirements needed to successfully deploy 5G? Where are the plans to connect your backhaul?
- What are the fiber access strategies for 5G wireless?
- What impact will virtualised networks have on broadband requirement?
- India:
  - o Update on LTE, LTE-A, 4G, 4.5G, 4.9G and 5G deployments
  - o Update on 1 Gbps and 10Gbps fiber service to base stations
  - o Street furniture options for licensed and unlicensed wireless
  - o With less than 20% of India’s towers connected to fiber, what is the strategy to ensure these towers are sufficiently connected to service the densification of networks?
  - o How can the market move from relying on microwaves?

**Chair: Mr. Vipin Tyagi, Executive Director & Chairman, CENTRE FOR DEVELOPMENT OF TELEMATICS (C-DOT)**

Opening Remarks: **Guven Togan**, Chair, TECHNOLOGY & STANDARDS COMMITTEE, FTTH COUNCIL ASIA-PACIFIC

Moderator: **Dr. Arvind Kumar Mishra**, VP & Treasurer, FTTH COUNCIL ASIA-PACIFIC

Speaker 1: **Mr. Darryll Sinnappa**, Managing Director, EDOTCO BANGLADESH

Speaker 2: **Dr. Thomas Pfeiffer**, Group Leader of Optical Access Research, NOKIA BELL LABS

Pending speakers:

**Mr. Hironori Tanada**, Executive Manager, Access Network Division Network Department Plant Headquarters, NTT WEST (pending)

**Mr. Zhang Pei**, Chief Inspector of Home Internet Research, CHINA UNICOM NETWORK TECHNOLOGY RESEARCH INSTITUTE (pending)

Senior representative, HUAWEI (pending)

5:30PM – 7:00PM

**EVENING RECEPTION**

7:00PM

**FTTH APAC 2017 GALA DINNER**

End Day One of FTTH APAC 2017 in style, with all attendees invited for an evening of fine dining and live entertainment offering the perfect opportunity to network with the entire industry community in a relaxed, sociable environment. Please note, space is limited to 200 delegates please RSVP to ensure your place.

## **DAY TWO: WEDNESDAY 26<sup>th</sup> APRIL**

9:00AM

**EXHIBITION OPENS**

9:40AM – 9:50AM

**UPDATE FROM THE COUNCIL**

**Mr. Wataru Katsurashima**, President, FTTH COUNCIL ASIA-PACIFIC

9:50AM – 10:00AM

**OPENING KEYNOTE**

**Mr. Sudhir Gupta**, Secretary, TELECOM REGULATORY AUTHORITY OF INDIA (TRAI)

10:00AM – 10:45AM

**E-PAYMENTS: THE GATEWAY TO A CASHLESS SOCIETY?**

Ensuring ease of business is absolutely crucial to a successful economy. With the rise in smart phones and the recent ban on bank notes, India has seen a dramatic increase in e-payment services. Are we seeing the start to a completely

- To what extent will 'Digital India' drive the increase in cash less transactions?
- Will we see a complete elimination of credit cards?

Chair:

**Dr. Ajay Kumar**, Additional Secretary, National e-Governance Division, MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY (MeitY)/

**Mr. Premjit Lal**, Director, Infra & e-Services, National e-Governance Division, MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY (MeitY)

Speaker 1: **Mr. Joseph Chan**, CEO, ASIAPAY

Speaker 2: **Mr. Ruchir Kanakia**, Head of business development and operations, INSTAMOJO



10:45AM – 11:15AM	<p><b>BEST PRACTICES IN COPPER NETWORK REHABILITATION AND FTTH INTRODUCTION</b></p> <p>Speaker 1: <b>Mr. Kiran Solipuram</b>, Sr Solutions Consultant - Telecommunications, <b>CYIENT</b></p> <p>Speaker 2: <b>Vinit Chand</b>, CFO, <b>TELECOM FIJI</b></p>
11:15AM – 12:00PM	<p><b>COFFEE AND NETWORKING BREAK</b></p>
12:00PM – 12:25PM	<p><b>NETWORK CONVERGENCE – A NETWORK OF NETWORKS</b></p> <p>Building fiber network’s for the future that enable network operators to service the requirements of FTTH, FTTx, Small Cell Densification and 5G Wireless.</p> <p>Speaker: <b>Mr. Wes Oxlee</b>, Director CCS Business Development, <b>COMMSCOPE</b></p>
12:25PM – 1:00PM	<p><b>COMPARING REGULATION ACROSS ASIA-PACIFIC</b></p> <p>Moderator &amp; Speaker 1: <b>Mr. Arvind Kumar</b>, Adviser, <b>TELECOM REGULATORY AUTHORITY OF INDIA (TRAI)</b></p> <p>Speaker 2: <b>Mr. Harinderpal Singh Grewal</b>, Cluster Director, <b>INFOCOMM DEVELOPMENT AUTHORITY</b></p> <p>Speaker 3: <b>Mr. Sathish Gopalaiah</b>, Partner, Consulting Leader, Telecom Sector, <b>Deloitte</b></p> <p>Pending speaker:</p> <p>Speaker 4: <b>Prashant Singhal</b>, Head of Telecom Practice,, <b>EY</b> (pending)</p> <p>Speaker 5: Senior representative, <b>ITU</b> (pending)</p>
1:00PM – 2:40PM	<p><b>LUNCH AND NETWORKING BREAK</b></p> <p><b>TECHNICAL PRESENTATION THEATRE</b></p> <p>Listen and watch live demonstrations of the most innovative technologies changing the landscape of FTTH deployment at the “TECHNICAL PRESENTATION THEATRE” in the exhibition</p>
2:40PM – 3:25PM	<p><b>AFTERNOON STREAMS</b></p>

<p><b>SPONSORED WORKSHOP</b></p> <p>Michael Measels, Executive Director, <b>GIS</b></p>	<p><b>FTTH COUNCIL ASIA-PACIFIC SMART CITIES COMMITTEE (SCC): DEEP FIBER NETWORKS ENABLING SMART CITIES</b></p> <ul style="list-style-type: none"> <li>• What are the opportunities and threats to telcos?</li> <li>• How can we integrate functionality into the smart city?</li> <li>• What role will 5G and Small Cells have on smart cities? What are the infrastructure challenges?</li> </ul> <p>Chair:</p> <p><b>Mr. Sameer Sharma</b>, Additional Secretary (Smart Cities), <b>MINISTRY OF URBAN DEVELOPMENT/</b></p>
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	<p><b>Mr. Sajeesh Kumar N., Director (SC-II), MINISTRY OF URBAN DEVELOPMENT</b></p> <p>Speaker and Moderator: <b>Dr. Arvind Kumar Mishra, VP &amp; Treasurer, FTTH COUNCIL ASIA-PACIFIC</b></p> <p>Speaker 2: <b>Dr. Abhishek Dixit, Associate Professor, INDIAN INSTITUTE OF TECHNOLOGY, DELHI</b></p> <p>Speaker 3: <b>Mr. Virat Patel, MD, PIONEER CONSULTING ASIA</b></p> <p>Speaker 4: <b>Mr. Harinderpal Singh Grewal, Cluster Director, INFOCOMM DEVELOPMENT AUTHORITY</b></p>
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3:25PM – 4:00PM

<p><b>INNOVATIVE COATING TECHNOLOGY FOR HIGHER FIBER DRAWING EFFICIENCY (HIGH SPEED/LOW HELIUM/LED)</b></p> <p>How DSM innovative optical fiber coating technology helps to increase the efficiency of fiber drawing through High Speed, Low Helium and UV-LED.</p> <p>Speaker 1: <b>Mr. Pratik Shah, Global Technical Marketing Director, DSM</b></p>	<p><b>FTTH COUNCIL ASIA-PACIFIC EDUCATION &amp; TRAINING COMMITTEE</b></p> <p>Panel discussion:</p> <ul style="list-style-type: none"> <li>• What are the new guidelines and best practices required to deploy fiber up to the customer premises?</li> <li>• How can we streamline the FTTH deployment process for operators?</li> <li>• How can we increase customer awareness to encourage FTTH adoption?</li> </ul> <p>Senior representative, <b>FTTH COUNCIL ASIA-PACIFIC</b></p>
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4:00PM – 4:30PM

**COFFEE AND NETWORKING BREAK**

4:30PM – 4:45PM

**FTTH PANORAMA APAC**

Speaker: **Roland Montagne, Principal Analyst/ Director Market Development, IDATE CONSULTING AND RESEARCH**

4:45PM – 5:15PM

**CLOSING PANEL: FTTH COUNCIL ACROSS THE WORLD**

Moderator: **Mr. H. Munasir Choudhury, Director General, FTTH COUNCIL ASIA-PACIFIC**

Speaker 1: **Mr. Wataru Katsurashima, President, FTTH COUNCIL ASIA-PACIFIC**

Speaker 2: **Ms. Heather Burnett Gold, President & CEO, FIBER BROADBAND ASSOCIATION**

Speaker 3: **Ms. Juanita Clark, Chief Executive, FTTH COUNCIL AFRICA**

Speaker 4: **Ms. Christine Beylouni, Director General, FTTH COUNCIL MENA**

5:25PM

**ANNOUNCEMENT OF 2018 CONFERENCE LOCATION**

5:30PM

**CLOSE OF FTTH APAC CONFERENCE**