

# ANGACOM 2019

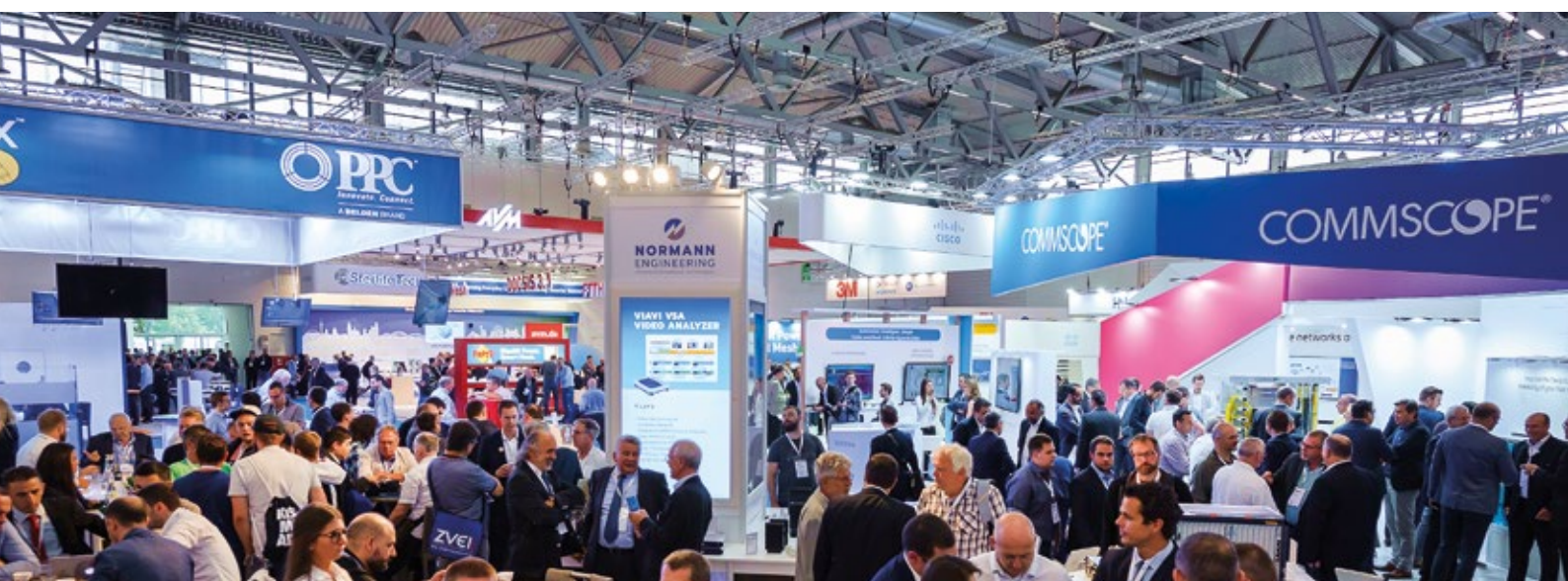
WHERE BROADBAND MEETS CONTENT

WITH  
BROADBAND  
DAY  
SMART  
CITY

**BROADBAND  
TELEVISION  
ONLINE**

## EXHIBITION & CONFERENCE

- 4 - 6 June 2019
- Cologne / Germany
- [www.angacom.de](http://www.angacom.de)



**500**  
EXHIBITORS

**21,700**  
PARTICIPANTS

**47%**  
INTERNATIONAL

**78**  
COUNTRIES

GIGABIT NETWORKS

INTERNET OF THINGS

SMART CITY

STREAMING

CLOUD TV

BIG DATA

5G

#### ABOUT ANGA COM

- Conference and Exhibition for Broadband, Television & Online
- Europe's leading business platform for broadband operators and content providers
- 500 exhibitors and 21,700 business visitors from 78 countries in 2018
- 47 percent share of international visitors

## BROADBAND DAY – SMART CITY

On the third day, Thursday, 6 June 2019, ANGA COM, the Federal Broadband Bureau and the Association of Telecommunications and Value-Added Service Providers (VATM) organize a joint "Broadband Day – Smart City".

The conference panels address **political, practical, regulatory and technical topics of the broadband roll-out**. The Broadband Day offers **free access** for all visitors upon prior online registration.

#### SPONSORS



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- Conrad Albert, ProSiebenSat.1 Media
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- Lutz Schüler, Unitymedia
- Dr. Dirk Wössner, Deutsche Telekom

Moderation  
Claus Strunz, Journalist und Moderator



ANGACOM 2018

Breitband- und Mediengipfel



<p>4 June 11:00</p>	<p><b>Copyright: Retransmission, IP and Direct Injection</b>  <b>Petra Arts</b> Senior Manager Public Policy, Liberty Global  <b>Agnieszka Horak</b> Director of Legal and Public Affairs, ACT Association of Commercial Television in Europe  <b>Thomas Roukens</b> Director Regulatory Affairs, Telenet  <b>Stephanie Struppler</b> Senior Director Legal GSA, Discovery Communications  <b>Moderator: Prof. Dr. Stefan Sporn</b> Senior Vice President International Distribution, RTL International GmbH</p>	<p>11:00 – 12:00 a.m.   Room 3</p> <p>in cooperation with:  </p>
<p>4 June 01:00</p>	<p><b>Big Data and Artificial Intelligence for TV and Online Offerings*</b>  <b>Marcus Hartmann</b> Chief Data Officer, ProSiebenSat.1 Media SE  <b>Dr. Andrea Malgara</b> Managing Director and Partner, Mediaplus Gruppe  <b>Robert Richter</b> EMEA Partnership Solutions Broadcast, Media &amp; Entertainment, Google  <b>Moderator: Dr. Alexander Henschel</b> Managing Director, goetzpartners Management Consultants GmbH</p>	<p>01:00 – 02:00 p.m.   Room 3</p>
	<p><b>International Content Summit: Content Strategies for Broadband Networks, Satellite and OTT</b>  <b>Thomas Christensen</b> CEO, Nordija A/S  <b>Jeroen Ghijsen</b> Founder &amp; CEO, Metrological  <b>Marc Antoine d’Halluin</b> Chairman of the Board, M7 Group SA  <b>Philippe Oliva</b> Executive Vice President of Sales and Products, Eutelsat  <b>Jean-Marc Racine</b> Chief Product Officer and General Manager of EMEAR, Synamedia  <b>Wilfried Urner</b> CEO, HD PLUS GmbH  <b>Christoph Vilanek</b> CEO, freenet AG  <b>Moderator: Dr. Jörn Krieger</b> Media Journalist</p>	<p>01:00 – 02:15 p.m.   Room 1</p>
<p>4 June 03:00</p>	<p><b>International CTO Summit</b>  <b>Colin Buechner</b> Managing Director – Chief Network Officer, Liberty Global  <b>Michael Fränkle</b> Senior Vice President Networks &amp; CTO, TDC Group  <b>Elmar Grasser</b> CTO, Sunrise Communications AG  <b>Thomas Helbo</b> EVP, Fixed Technology, Tele2  <b>Gerhard Mack</b> CTO, Vodafone Deutschland  <b>Steve McCaffery</b> President International, ARRIS Group  <b>Axel Sihm</b> Managing Partner &amp; CEO, WILHELM SIHN JR. GmbH &amp; Co. KG (WISI)  <b>Moderator: Stuart Thomson</b> Editor, Digital TV Europe</p>	<p>03:00 – 04:15 p.m.   Room 1</p>
	<p><b>Copyright: Modernizing the German Retransmission Framework*</b>  <b>Jochen Berg</b> Head of Licensing Broadcasting and Cable Division, GEMA  <b>Dr. Peter Charissé</b> Managing Director, ANGA Association of German Cable Operators  <b>Dr. Michael Müller</b> Chief Officer Distribution, Legal &amp; Regulatory, ProSiebenSat.1 Media SE  <b>Matthias Schmid</b> Head of the Copyright and Publishing Law Department, Federal Ministry of Justice and Consumer Protection  <b>Timo Seidel</b> Department Head Legal Content, Procurement &amp; Technology, Vodafone Deutschland  <b>Moderator: Michael Schmittmann</b> Attorney/Partner, Heuking Kühn Lüer Wojtek</p>	<p>03:00 – 04:00 p.m.   Room 3</p>
	<p><b>Learning from Start-Ups, Cooperating with Start-ups: New Corporate Cultures, new Partnerships?*</b>  <b>Dr. Niklas Brambring</b> CEO, Zattoo International AG  <b>Axel Menneking</b> Startup Incubation &amp; Venturing, Managing Director hub:raum Investment Fund, Deutsche Telekom AG  <b>Marc Schröder</b> Chief Strategy Officer, Mediengruppe RTL Deutschland  <b>Dr. Oliver Vesper</b> Managing Director, SpotX Deutschland GmbH  <b>Andreas Westhoff</b> CEO, Smart Mobile Labs  <b>Moderator: Peter Kerckhoff</b> Vice President Content, Telekom Deutschland GmbH</p>	<p>03:00 – 04:00 p.m.   Room 2</p>
<p>4 June 04:45</p>	<p><b>5G – Potentials, Concepts, Products*</b>  <b>Volker Held</b> Head of 5G Market Development, Nokia  <b>Dr. Alexander Lautz</b> Senior Vice President 5G, Deutsche Telekom AG  <b>Guido Weissbrich</b> Division Head Network Planning, Vodafone Deutschland  <b>Moderator: Marc Ennemann</b> Partner Consulting and Head of Telecommunications, KPMG AG Wirtschaftsprüfungsgesellschaft</p>	<p>04:45 – 05:45 p.m.   Room 1</p>
	<p><b>Media Law and Platform Regulation: An Interim Review*</b>  <b>Carine Chardon</b> Head of Media Policy / Media Law, ZVEI e.V.  <b>Dr. Harald Flemming</b> Managing Director, VAUNET – German Media Association  <b>Andreas Gerhardt</b> Director Distribution / Regulatory Affairs, Sport1 GmbH  <b>Andreas Hamann</b> Office Manager, die medienanstalten  <b>Dr. Andrea Huber</b> Managing Director, ANGA Association of German Cable Operators  <b>Moderator: Torsten Zarges</b> Chief Reporter, DWDL.de</p>	<p>04:45 – 05:45 p.m.   Room 3</p>

**5 June 10:00** **Smart Home: How can Monetization be achieved?\*** 10:00 – 11:00 a.m. | Room 1  
**Christian Constant** General Manager, European Operations, Plume  
**Martin Czermin** Senior Vice President B2B and Housing Industry, Unitymedia  
**Olav Fritz** Manager Sales Provider, AVM  
**Matthias Greve** Co-Founder, 320EAST GmbH  
**Stefan Riedel** Chief Consumer Officer, Tele Columbus AG  
**Guido Schwarzfeld** Head of Product Management and Marketing Controlling B2C, CC Housing Industry, Telekom Deutschland  
**Moderator: Sebastian Artymiak** Director Public Affairs, ANGA Association of German Cable Operators

**5 June 11:30** **AppTV and OTT: New Platforms on the Test Bench\*** 11:30 a.m. – 12:30 p.m. | Room 1  
**Nicole Agudo Berbel** Chief Distribution Officer & EVP Digital Publishing, ProSieben Sat.1 Media SE  
**Thomas de Buhr** Executive Vice President, DAZN  
**Dr. Holger Enßlin** Chief Officer Legal, Regulatory & Distribution, Sky Deutschland  
**Dr. Henning Stiegenroth** Senior Vice President Sport-Marketing, Telekom Deutschland  
**Rolf Wierig** Vice President Entertainment Products Consumer, Vodafone Deutschland  
**Moderator: Christian Meier** Media Editor, Welt N24 GmbH

**ANGA International Keynotes** 11:30 a.m. – 02:00 p.m. | Room 3  
 The ANGA International Keynotes offer presentations on broadband, television and online topics. With an international focus, innovative aspects from the areas of Digital Transformation, Internet of Things and Content will be addressed.  
 The agenda of the ANGA International Keynotes is available online: [www.angacom.de/en/conference/agenda.html](http://www.angacom.de/en/conference/agenda.html)

**5 June 01:00** **Media Summit: Streaming as a Game Changer for Film and Television\*** 01:00 – 02:15 p.m. | Room 1  
**Conrad Albert** Deputy CEO, Group General Counsel, ProSiebenSat.1 Media SE  
**Dr. Thomas Bellut** Chairman, ZDF  
**Dr. Manuel Cubero** Chief Commercial Officer, Vodafone Deutschland / Chairman of the Board, Kabel Deutschland Holding AG  
**Matthias Dang** Managing Director Marketing, Technology & Data, Mediengruppe RTL Deutschland  
**Kathleen Finch** Chief Lifestyle Brands Officer, Discovery  
**Dr. Christian Franckenstein** CEO, Bavaria Film GmbH  
**Dr. Christoph Schneider** Managing Director, Amazon Prime Video Germany  
**Moderator: Thomas Lückerath** Editor-in-Chief, DWDL.de

**5 June 03:00** **Broadband Summit: Fiber Roll-Out on the Test Bench\*** 03:00 – 04:15 p.m. | Room 1  
**Keynote: Thomas Braun** President, ANGA Association of German Cable Operators  
**Dr. Hannes Ametsreiter** CEO, Vodafone Deutschland  
**Timm Degenhardt** CEO, Tele Columbus AG  
**Timo von Lepel** Managing Director, NetCologne Gesellschaft für Telekommunikation mbH  
**Uwe Nickl** Managing Director, Deutsche Glasfaser Holding GmbH  
**Winni Rapp** CEO, Unitymedia  
**Norbert Westfal** Spokesperson of the Management Board, EWE TEL GmbH and EWE Vertrieb GmbH  
**Dr. Dirk Wössner** Member of the Management Board for Germany, Deutsche Telekom AG  
**Moderator: Ina Karabasz** Director Journalism Live, Handelsblatt

**Personalized TV: Replay, Voice Control and Recommendation Engines\*** 03:00 – 04:00 p.m. | Room 3  
**Joachim Abel** Vice President Product Management Services, Deutsche Telekom AG  
**Dr. Stefan Fuchs** Chief Marketing Officer, UPC Schweiz  
**Simin Lange** Senior Vice President Commercial Distribution, Sky Deutschland GmbH  
**Andre Prahl** Head of the Programme Distribution Division, CBC GmbH / Mediengruppe RTL Deutschland  
**Timo Schneckenburger** Managing Director Marketing and Sales, HD PLUS GmbH  
**Moderator: Carine Chardon** Managing Director, German TV Platform



**5 June 04:45** **Quo Vadis TV Distribution: Switch-Off SD, All over IP and Streaming only?\*** 04:45 – 05:45 p.m. | Room 3  
**Nicole Agudo Berbel** Chief Distribution Officer & EVP Digital Publishing, ProSieben Sat.1 Media SE  
**Christian Heinkele** Managing Director, Evisio Germany GmbH (M7 Group SA)  
**Christoph Mühleib** Managing Director, ASTRA Deutschland GmbH  
**Dr. Michael Rombach** Director Production, ZDF  
**Wolfgang Wagner** Director Production and Technology, WDR  
**Moderator: Dr. Jörn Krieger** Media Journalist

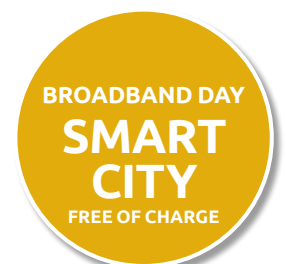
**5G as an Opportunity for Local Operators and new Market Players\*** 04:45 – 05:45 p.m. | Room 1  
**Tim Brauckmüller** Managing Director, Federal Broadband Bureau  
**Dr. Hermann Rodler** Technical Managing Director, M-net Telekommunikations GmbH  
**Dr. Marc Schütze** Management Board, Drillisch Netz AG  
**Theo Weirich** Managing Director, wilhelm.tel GmbH  
**Moderator: Wolfgang Heer** Managing Director, BUGLAS Bundesverband Glasfaseranschluss e.V.







<b>6 June 10:00</b>	<b>Opening *</b> <span style="float: right;"><b>10:00 – 10:15 a.m.   Room 1</b></span> <b>Tim Brauckmüller</b> Managing Director, Federal Broadband Bureau <b>Dr. Peter Charissé</b> Managing Director, ANGA COM / ANGA Association of German Cable Operators <b>Jürgen Grützner</b> Managing Director, Association of Telecommunications and Value-Added Service Providers (VATM)
<b>6 June 10:15</b>	<b>Opening Discussion Broadband Day: Smart City and 5G *</b> <span style="float: right;"><b>10:15 – 11:30 a.m.   Room 1</b></span> <b>Dr. Christoph Clément</b> Member of the Management Board, Vodafone Deutschland <b>Wolfgang Kopf</b> Head of Central Division Policy and Regulatory Affairs, Deutsche Telekom AG <b>Timo von Lepel</b> Managing Director, NetCologne Gesellschaft für Telekommunikation mbH <b>Dr. Tobias Miethaner</b> Head of the Digital Society Directorate-General at the Federal Ministry of Transport and Digital Infrastructure <b>Bernd Thielk</b> Managing Director, willy.tel GmbH <b>Martin Witt</b> Management Board, 1&1 Drillisch AG / Chairman of the Board, 1&1 Telecommunication SE <b>Moderator: Kerstin Stromberg-Mallmann</b> Moderator
<b>6 June 12:00</b>	<b>Best Practice Smart Cities *</b> <span style="float: right;"><b>12:00 – 01:00 p.m.   Room 1</b></span> <b>Dr. Daniel Kitscha</b> Deputy Head of Unit, Investment in High-Capacity Networks, DG Connect, European Commission <b>Denise Nelkert</b> Consultant Digital Model Regions NRW, Ministry of Economics, Innovation, Digitisation and Energy of the State of North Rhine-Westphalia <b>Frans-Anton Vermast</b> Strategy Advisor & International Smart City Ambassador, Amsterdam Smart City <b>Moderator: Jürgen Grützner</b> Managing Director, Association of Telecommunications and Value-Added Service Providers (VATM)
	<b>Key Issue Underground Construction – How do we solve the Bottleneck? *</b> <span style="float: right;"><b>12:00 – 01:00 p.m.   Room 3</b></span> <b>Johannes Bisping</b> Managing Director, Bisping & Bisping GmbH & Co. KG <b>Dr. Klaus Ritzgen</b> Consultant, Deutscher Landkreistag <b>Stefan Tiemann</b> Managing Director, RFT kabel Brandenburg GmbH <b>Dr. Stephan Zimmermann</b> CTO, Deutsche Glasfaser Holding GmbH <b>Moderator: Christian Zieske</b> Deputy CEO, Federal Broadband Bureau
<b>6 June 01:30</b>	<b>From Megabit to Gigabit: Future-Proof Public Broadband Funding *</b> <span style="float: right;"><b>01:30 – 02:30 p.m.   Room 1</b></span> <b>Florian Braun MdL</b> Spokesman of the CDU Parliamentary Group NRW for Digitisation and Innovation <b>Stephan Drescher</b> Managing Director, envia TEL GmbH <b>Dr. Andrea Huber</b> Managing Director, ANGA Association of German Cable Operators <b>Uwe Nickl</b> Managing Director, Deutsche Glasfaser Holding GmbH <b>David Zimmer</b> Managing Director, inexio <b>Moderator: Tim Brauckmüller</b> Managing Director, Federal Broadband Bureau
	<b>5G – Potentials for Smart City and Internet of Things *</b> <span style="float: right;"><b>01:30 – 02:30 p.m.   Room 3</b></span> <b>Dr. Christoph Bach</b> CTO Service Providers, Ericsson GmbH <b>Gerhard Mack</b> CTO, Vodafone Deutschland <b>Jörn Schoof</b> Head of Broadband, E.ON SE / Managing Director, e.discom Telekommunikation GmbH <b>Theo Weirich</b> Managing Director, wilhelm.tel GmbH <b>Moderator: Sebastian Artymiak</b> Director Public Affairs, ANGA Association of German Cable Operators
<b>6 June 02:30</b>	<b>Quo Vadis Regulation: The new European Electronic Communications Code *</b> <span style="float: right;"><b>02:30 – 03:30 p.m.   Room 1</b></span> <b>Jürgen Grützner</b> Managing Director, Association of Telecommunications and Value-Added Service Providers (VATM) <b>Rainer Helle</b> Chairman of the Working Group of all Federal States <b>Marcus Isermann</b> Director of Political Interest Representation, Regulation and Federal States, Deutsche Telekom AG <b>Dr. Stephan Korehnke</b> Head of Regulatory Affairs, Vodafone Deutschland <b>Dr. Wolf Osthaus</b> Member of the Management Board, Unitymedia <b>Moderator: Dr. Iris Henseler-Unger</b> Director and Managing Director, WIK GmbH

The Broadband Day will take place in cooperation with:


 BUNDES  
BREITBAND  
BÜRO


All conference panels in room 1 will be translated simultaneously (German/English).

\* All marked conference panels will take place in German.

<p>4 June 11:00</p>	<p><b>10 Gigabit and Beyond: Powering the Future of Cable</b></p> <p><b>John T. Chapman</b> CTO Cable Access &amp; Fellow, Cisco</p> <p><b>Robert Ferreira</b> General Manager of Intel's Connected Home Strategy and Technology Office, Intel</p> <p>Moderator: <b>Mark Dzuban</b> President/CEO, ISBE</p>	<p>11:00 a.m. – 12:15 p.m.   Room 1</p> <p><b>Frank Helleminck</b> Director Deployment, Vodafone</p> <p><b>Chris Lammers</b> EVP/COO, CableLabs</p> <p><b>Bill Warga</b> VP of Technology, Liberty Global</p> <p>in cooperation with: </p>
	<p><b>Cloud and Satellite Integration for Streaming Video &amp; Social Media</b></p> <p>Eutelsat CIRRUS – Hybrid Satellite TV and OTT Delivery anytime, anywhere, on any screen</p> <p><b>Markus Fritz</b> Executive Vice President Commercial Development &amp; Strategic Partnerships, Eutelsat</p> <p>Video Services in the Cloud</p> <p><b>Dr. Frank Hoffmann</b> SVP Customer Experience and Strategy Video Solutions, SES</p> <p>Moderator: <b>Guy Bisson</b> Research Director, Ampere Analysis</p>	<p>11:00 a.m. – 12:15 p.m.   Room 2</p> <p>Creating an affordable End-to-End IP Chain for Media Broadcasting – anywhere</p> <p><b>Hans Massart</b> Market Director Broadcast, Newtec</p> <p>A Modern Approach to Connecting Great Content to Global Consumers</p> <p><b>Steve Oetegenn</b> President, Verimatrix</p>
<p>4 June 01:00</p>	<p><b>PNM – The Multiple Layers of Network Maintenance, Management and Monetization</b></p> <p>Managing End-to-End Complexity by using Workflow Automation</p> <p><b>Alon Bernstein</b> Distinguished Engineer, Cisco</p> <p>Maintenance of End-to-End Networks</p> <p><b>Brady Volpe</b> CEO and Founder, Volpe Firm</p> <p>Moderator: <b>Volker Belz</b> Partner, Goldmedia</p>	<p>01:00 – 02:15 p.m.   Room 2</p> <p>Silicon to Service: Leveraging Big Data through AI for the Provision of modern Home Services</p> <p><b>Bill McFarland</b> CTO, Plume</p> <p>Converting Network Data into Business Opportunities</p> <p><b>Mark Trudeau</b> CEO and Founder, OpenVault</p>
<p>4 June 04:30</p>	<p><b>DOCSIS® 3.1: Best Practices from the Field</b></p> <p>Gaining Network Performance the passive Way, with Distribution Passives</p> <p><b>Dr. Anders Moller-Larsen</b> Product Manager Coax, DKT</p> <p>Low Latency DOCSIS – Limits and its Value</p> <p><b>Jeff Leung</b> Senior Director of Product Management – Cable, Casa Systems</p> <p>Moderator: <b>Mark Dzuban</b> President/CEO, ISBE</p>	<p>04:30 – 05:45 p.m.   Room 2</p> <p>From the Field: Real Life Experiences with operational Aspects of vDAA</p> <p><b>Mike Gannon</b> Lead Solutions Architect, Nokia</p> <p>From WAN to LAN – DOCSIS 3.1 CPE Architecture Requirements</p> <p><b>Tim Kroll</b> Product Manager, AVM</p>
<p>5 June 10:00</p>	<p><b>WiFi and 5G Access – The wireless Combination for the Future</b></p> <p>WiFi ax and Mesh – Joint Forces to meet Gigabit Service Needs</p> <p><b>Henning Kroll</b> Product Manager, AVM</p> <p>Managed In-Home WiFi: Transforming WiFi from Headache to Opportunity for Operators</p> <p><b>Metin Taskin</b> CTO, AirTies</p> <p>Moderator: <b>Dr. Wolfgang Endemann</b> Chairman ITG FA 3.3, TU Dortmund</p>	<p>10:00 – 11:15 a.m.   Room 2</p> <p>How a Multiservice 5G Core can capture new Revenue Opportunities and lower Operating Costs</p> <p><b>Shuvo Chowdhury</b> Principal Solutions Architect, Casa Systems</p> <p>Lessons learned from deploying remotely managed Residential WiFi Networks</p> <p><b>Dr. Gabor Molnar</b> Evangelist, Video Technology &amp; Science, Divitel</p>
<p>5 June 11:45</p>	<p><b>10 Gigabit – Cable Today and Beyond</b></p> <p>The right Solution for cost-effective Gigabit</p> <p><b>Dr. Tom van Caenegem</b> Senior Consultant, Bell Labs Consulting</p> <p>HFC Ethernet Overlay Networks</p> <p><b>Jörg Hellwig</b> CEO, Giax</p> <p>A modern Tale from the Field of low Latency and high Bandwidth Delivery in DOCSIS Networks</p> <p><b>Karsten Brauner</b> Product Management, WISI Communications</p> <p>Moderator: <b>Mike Thornton</b> Co-opted Member, SCTE International Ambassador, SCTE – Society for Broadband Professionals</p>	<p>11:45 a.m. – 01:00 p.m.   Room 2</p> <p>MoCA: Multi-Giga Bit to the Home and throughout Home</p> <p><b>Dr. Zongliang Wu</b> CTO, Luster Teraband Photonics</p> <p>in cooperation with: </p>
<p>5 June 01:30</p>	<p><b>RDK – Open Source: New Quality of Experience</b></p> <p>An Open Source Platform for the Connected Home</p> <p><b>Steve Heeb</b> President and General Manager, RDK Management</p> <p>Cloud and Ground unite for the new Broadband Service Delivery Era</p> <p><b>Charles Cheevers</b> CTO Customer Premise Equipment, ARRIS</p> <p>Speed Dating with Premium OTT and Regional Apps</p> <p><b>Albert Dahan</b> CTO and Co-Founder, Metrological</p> <p>Moderator: <b>Stuart Thomson</b> Editor, Digital TV Europe</p>	<p>01:30 – 02:45 p.m.   Room 2</p> <p>New Services and QoS for Customers based on the RDK Platform</p> <p><b>Wouter Cloetens</b> Director of Connectivity Software, Liberty Global</p> <p><b>Ricardo dos Santos Félix</b> Head of Fixed Internet and Voice, NOS</p>

<b>5 June 03:00</b>	<p><b>Future proofing your Network – Fiber Optics and more</b></p> <p>Scalable and dynamically reconfigurable IP/Optical Cable Networks  <b>Dr. Ben Tang</b> DMTS and Principal, Bell Labs Consulting                  Coherent Optics Impact on Cable's Network Evolution  <b>Dr. Alberto Campos</b> Fellow, CableLabs                  10 Gig DAA and SDN/NFV Strategies supporting new Bandwidth Horizons  <b>Hossam Salib</b> VP Cable &amp; Wireless Strategy, ADTRAN                  Moderator: <b>Jörg Schrepfer</b> Product Lifecycle Manager, Vodafone</p>	<p><b>03:00 – 04:15 p.m.   Room 2</b></p> <p>Smashing together Next Gen HFC Architectures and small Cells  <b>Kevin Bourg</b> Director, Optical Network Architect, Corning Optical Communications</p>
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<b>5 June 04:45</b>	<p><b>Cyber Security &amp; Safety: Prepare your Network and protect your Customer</b></p> <p>Security for today's Digital Economy: Multi-dimensional, insight-driven and network-based  <b>Marc Schoolaert</b> Senior Consulting Engineer, Nokia Deepfield                  Cyber Security for Operators, Broadcasters, and Suppliers: Key Areas of Focus  <b>Eric Rutkens</b> Managing Director, Eurofins                  Moderator: <b>Dominik Röske</b> Telecommunications and Postal Law, Federal Ministry for Economic Affairs and Energy</p>	<p><b>04:45 – 06:00 p.m.   Room 2</b></p> <p>Using collective Intelligence to combat Piracy – and generate new Revenues  <b>Orly Amsalem</b> Product Manager Security, Synamedia                  Affected – Think offensively, develop a Strategy and secure the Cable Network Experience  <b>Steve Harris</b> Executive Director, Education and L&amp;D Sales, ISBE</p>
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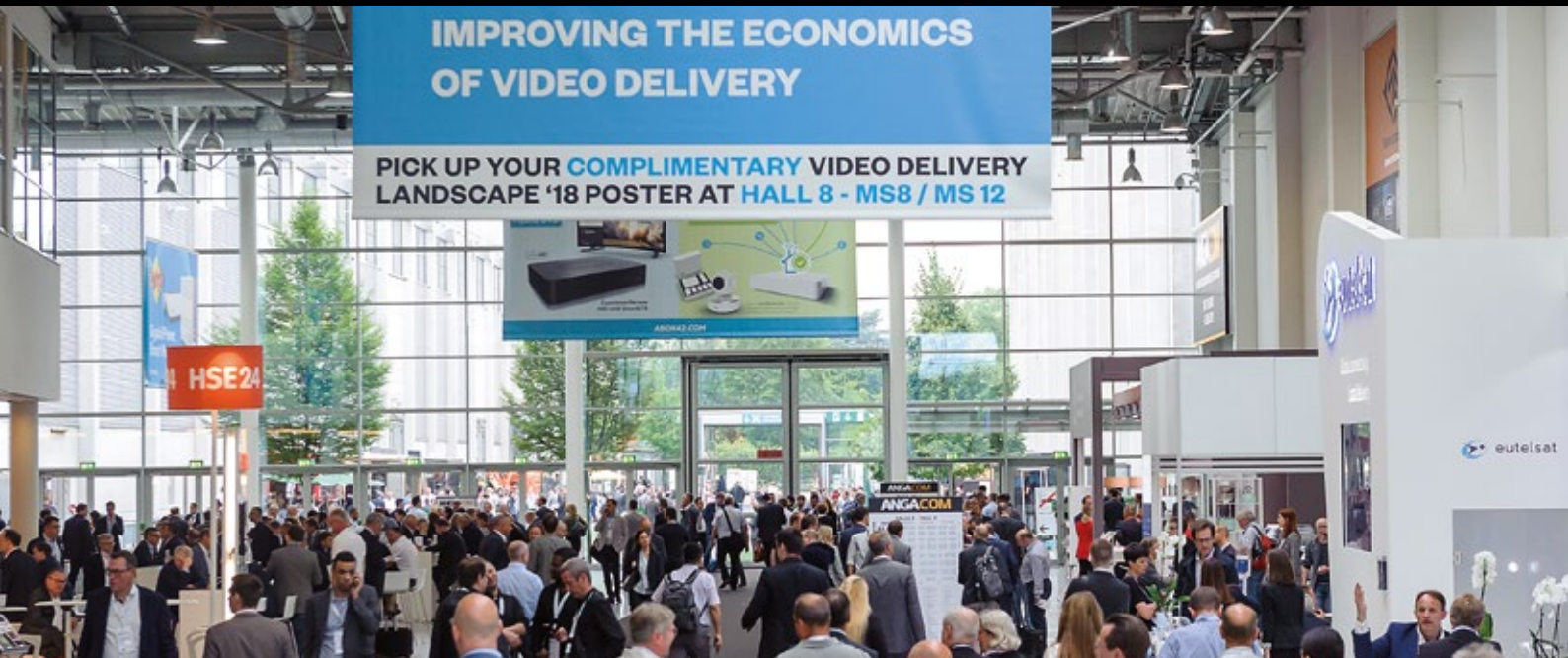
<b>6 June 10:00</b>	<p><b>Video Delivery from the Cloud to the Consumer – What happens on the last Mile?</b></p> <p>Opportunities and Challenges of OTT  <b>Fabian Birgfeld</b> Managing Director &amp; Co-Founder, W12 Studios                  Targeting True QoE for MSOs: End-to-End Monitoring and unifying Metrics to maximize Viewer Experiences  <b>Prof. Zhou Wang</b> Chief Science Officer, SSIMWAVE                  Moderator &amp; Kick-off: <b>Simon Murray</b> Principal Analyst, Digital TV Research</p>	<p><b>10:00 – 11:15 a.m.   Room 2</b></p> <p>Bringing the Power of automated ABR Video Optimization to live/linear Workflows  <b>Elke Hungenaert</b> Director of Product Management, Synamedia                  Beyond Personalized TV – Personalized Pixels and Audio Streams  <b>Charles Cheevers</b> CTO Customer Premise Equipment, ARRIS</p>
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<b>6 June 11:30</b>	<p><b>Why are Operators moving to Network Virtualization?</b></p> <p>Using AI / ML for Intelligent Network Management  <b>Barak Hermesh</b> Principal Engineer, Intel                  Self-Healing Network – a Dream comes true  <b>Tal Laufer</b> Director Product Line Manager, ARRIS                  Moderator: <b>Alan Breznick</b> Cable/Video Practice Leader, Light Reading</p>	<p><b>11:30 a.m. – 12:45 p.m.   Room 2</b></p> <p>Total Cost of Ownership benefits of moving to vCCA  <b>Peter Wolff</b> VP Wireline Product Management, Casa Systems                  Considerations for NFV in the Access Network  <b>Bartlomiej Lewicz</b> Access Network Innovation System &amp; Solutions Architect, Liberty Global</p>
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	<p><b>Leveraging DOCSIS 3.1 to Maximize Network Security</b></p> <p><b>ISBE Speed Boot Camp</b>  <b>Steve Harris</b> ISBE Executive Director, Education &amp; L&amp;D Sales, ISBE  <b>Dr. Alexander C. Adams</b> ISBE European Representative</p>	<p><b>11:30 a.m. – 12:45 p.m.   Room 4</b></p> <p style="text-align: right;">organized by: <b>ISBE</b></p>
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<b>6 June 01:00</b>	<p><b>Modern HFC Infrastructures for the 10 Gigabit Era</b></p> <p>RPHY CIN Architectures for Digital HFC  <b>Luis Martins</b> Head of Cable Access, EMEAR Global SP, Cisco                  Navigating the HFC Network Migration Maze into the 2020 Decade  <b>Dr. Ayham Al-Banna</b> Engineering Fellow, CTO-Office Network Solutions, ARRIS                  Moderator &amp; Kick-off: <b>Christian Till</b> Application Engineer, EXFO</p>	<p><b>01:00 – 02:15 p.m.   Room 2</b></p> <p>Full Duplex DOCSIS over European Networks  <b>Arttu Purmonen</b> Vice President, Teleste                  Remote PHY and Virtualization Deployment Experiences  <b>Asaf Matatyaou</b> VP Solutions and Product Management, Cable Edge Business, Harmonic</p>
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<b>6 June 02:30</b>	<p><b>Migration to Fiber enables new Business Opportunities</b></p> <p>FTTH Deployment across Europe – Facts and Figures  <b>Erzsebet Fitori</b> Director General, FTTH Council Europe                  WDM Strategies for Distributed Access Architectures  <b>Rudy Musschebroeck</b> Director Market Development, CommScope                  Moderator: <b>Hansjörg Pätz</b> Founder, HSB media</p>	<p><b>02:30 – 03:45 p.m.   Room 2</b></p> <p>Great Wires make great Wireless: How R-PHY unlocks 5G Markets for Cable  <b>David Hering</b> Senior Product Line Manager, Viavi                  Evolution of the testing Needs in a constant evolving Network  <b>Mike Venter</b> VP of Optical Product Development, VeEX</p>
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**LOCATION**

Koelnmesse  
Hall 7 & 8 and Congress Center North  
Messeplatz · Visitor Parking: P21  
50679 Cologne · Germany

**OPENING HOURS**

**Tuesday, 4 June 2019**  
9:00 a.m. to 6:00 p.m.

**Wednesday, 5 June 2019**  
9:00 a.m. to 6:00 p.m.

**Thursday, 6 June 2019**  
9:00 a.m. to 4:00 p.m.

**ENTRANCE FEES**

- Exhibition** ..... 22.- €  
Season ticket for the exhibition, Broadband Day on 6 June 2019 included, online special price (€ 35.00 at the ticket office on-site)
- Conference** ..... 220.- €  
Season ticket, valid for the complete conference and the exhibition
- Conference and ANGA COM Night** ..... 290.- €  
Season ticket, valid for the complete conference, the exhibition and the ANGA COM Night on 4 June 2019
- Executive Ticket** ..... 790.- €  
Season ticket, valid for the complete conference, the exhibition, Press & VIP Lounge, ANGA COM Night on 4 June 2019 and guided tour in the Cologne Cathedral on 5 June 2019
- Conference Technology Panels** ..... 100.- €  
Season ticket, valid for the technology panels and the exhibition
- Broadband Day on 6 June 2019** ..... **Free of charge**  
Free day ticket, valid for the conference and the exhibition on 6 June 2019, only online available

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