

Tours: May 29, 2018

- 12:45 Delegates meet at Hilton Garden Inn, 97 10th Street, NW for bus transportation.
- 13:00 Intelsat Ellenwood Teleport Tour**
- *Network Operations Center (NOC)*
 - *Atlanta Teleport*
- 15:00 Return to Atlanta, drop-off at One CNN Center.
- 15:45 Delegates meet on 1st floor inside CNN Studio Tours
- 16:00 CNN Studio Tour (50 mins)**
- Journey into the heart of CNN Worldwide and get an up-close look at global news in the making! Inside CNN is a 50-minute guided behind-the-scenes tour of Atlanta's CNN studios, presenting an exciting glimpse of news and broadcasting in action from the global headquarters of The Worldwide Leader in News.*
- 17:00 Tour ends

Day 1: May 30, 2018

- 08:15 Security Check and Registration begins
Continental Breakfast provided by **arqiva**
- 09:00 **1.0 Welcome** - John Ball, VP, Int'l Distribution Technology, Turner | WBU-IMCG Chair
- 09:05 **1.1 Tribute to Dick Tauber** - Jack Womack, SVP, US News Operations, CNN
- 09:15 **1.2 Cyber Security - How Can Broadcasters Protect Their Operations and Keep Their Content Safe?**
In an incredibly-connected Internet ecosystem, where hacks, data breaches and other cyber crimes have become the norm, how can broadcasters protect both their operations and their content from being compromised?
- Moderator: John Lee, NABA Technical Committee Chair / Digital Engineering Consultant, FOX
Panelists:
- Pete Chronis, CISO, Turner
 - Michel Arredondo, Sr. Director, Information Security, CBC/Radio-Canada
 - Denis Onuoha, CISO, Arqiva
 - Alex Specogna, Sr. Manager, Information Security Strategy, Bell Media
 - Michael Cardosa, Director, Information Security, CBS
- 10:00 **1.3 ATSC 3.0 - What Does It Mean To A Broadcaster?**
ATSC 3.0 has been successfully launched in Korea and authorized for use in the U.S. – the next-generation broadcasting age has begun. In this session, panelists will briefly introduce the ATSC 3.0 standard, and then discuss next steps, including technology development, near-term field trials, business model options, and the future outlook for terrestrial television broadcasting in an evolving media landscape.
- Moderator: Sam Matheny, EVP and CTO, NAB
Panelists:
- Mark Richer, President, ATSC
 - Madeleine Noland, Office of the CTO, LG
 - Sterling Davis, Cox Consultant to Pearl TV
 - Jerry Fritz, EVP, Strategic & Legal Affairs, ONEMedia / Sinclair Broadcast Group
 - Dave Siegler, VP, Technical Operations, Cox Media

11:00 Coffee Break provided by **ARQIVA**

11:30 **1.4 Contribution Newsgathering Technologies**

This panel of some of the most forward thinking people in emerging technologies for newsgathering will discuss the next generation of bonded cellular devices and the additional use of satellite for greater reliability in challenged areas. They will also be discussing various ways that networks are utilizing IP for more efficient contribution and distribution of news material.

Moderator: Mel Olinsky, Director, Operations, CBS News

Panelists:

- Avi Cohen, CEO, LiveU
- Ben Ramos, VP, Field Ops & Emerging Technologies, Fox News Channel
- Sara Shepherd, Assignment Editor, MJJ Team, BBC Newsgathering
- John Stoltz, VP, Global Media, Network Innovations
- Daniel Cooper, Head, Media & Events, Enterprise, Inmarsat

12:30 Buffet Lunch provided by **Dejero**

13:30 **1.5 5G**

Opportunities for media organisations both in using 5G in production and also its potential for broadcast delivery once the standards are ratified.

Moderator: Simon Fell, WBU Technical Committee Chair

Panelists:

- Dr. Kei Kawamura, Sr. Manager, Technology Development Group, KDDI
- Athul Prasad, Head, 5G Business Modelling & Analysis | E2E 5G Leadership Program, Nokia
- Kalpak Gude, President, Dynamic Spectrum Alliance

14:30 **1.6 HEVC Interoperability Test Program Update**

Moderator: Tom Gibbon, Legal and Technical Advisor, NHK

Panelists:

- Don Cardone, Advanced Solutions for Digital Media, DMC Broadcast Group
- David Williams, Sr. Principal Engineer, Development Engineering, Intelsat

15:15 Coffee Break provided by **ARQIVA**

15:45 **1.7 WBU-Intentional Interference to Satellite Service Working Group Report / Update** - Nigel Fry, Head, Distribution, BBC World Service

16:15 **1.8 Satellite Interference Reduction Group (IRG) Update** - Martin Coleman, Executive Director, IRG

16:30 **1.9 Techwood Studio Tour (30 mins) | Delegates meet in foyer**

Get an in-depth look at Turner Studios, the 300,000-square-foot, state-of-the-art creative production hub supporting all of Turner's brands. Immerse yourself in the breadth of work being done each day – in production, post-production, live events, emerging media, and more – with the skilled craftspeople who make it happen. (And while you're at it, snap a selfie on the sets of such diverse productions as Inside the NBA, ELEAGUE, and Turner Classic Movies.)

16:30 -18:00 **Welcome Reception - Tribute to Dick Tauber** in the Courtyard of the Assembly Room
co-sponsored by:



Day 2: May 31, 2018

- 08:15 Security Check and Registration begins
Continental Breakfast provided by **arqiva**
- 09:00 **2.0 Welcome** - Joe Shimizu, Director, Global IT Innovations, News Dept., NHK | WBU-IMCG Vice-Chair
- 09:02 **2.0.1 Keynote Address - The Evolving Media Workflows: From End-to-End, Meeting Viewer Expectations Faster, Smarter, More Efficient**
- Usman Shakeel, Worldwide Technology Leader, Media & Enterprise, Amazon AWS
- 09:35 **2.1 The Future of VR and AR in News and Documentary Filmmaking**
Is it just a gimmick or are we at the Brother Lumiere stage of something that will change the way we tell stories?
- Moderator: Anna Bressanin, Multimedia Editor, BBC
Panelists:
- Ben Ramos, VP, Field Ops & Emerging Technologies, Fox News Channel
 - Paul Higgs, Chief Strategy Officer, Video Product Line, Huawei Technologies | VR Industry Forum
 - John Canning, Executive Producer, VR, AR & Interactive, Digital Domain
 - Gabriela Arp, Independent Filmmaker and VR Director
- 10:30 **2.2 Artificial Intelligence – How Is Innovation in AI Technology Changing Video Production Workflows For Broadcasters?**
AI systems are increasingly powering video production workflows, from managing, searching, indexing, and evaluating audiovisual media files, to independently generating new video content, and to supplementing audiovisual media with data to expand accessibility for the hearing and visually-impaired. How reliable is the technology and how is it changing broadcasting?
- Moderator: Jeff Young, Legal and Technical Advisor, NHK
Panelists:
- Giovanni Galvez, Caption Team, Telestream
 - Tim Murphy, Director, Strategic Solutions, Avid
 - Dr. Shoen Sato, Sr. Research Engineer, Human Interface Research Division, NHK Science & Technology Labs
 - Yvonne Thomas, Product Manager, MediaPortal, Arvato Systems S4M
- 11:30 Coffee Break provided by **arqiva**
- 11:45 **2.3 New Trends in Media and Video Contribution and Delivery**
Does technology drive the consumer experience for content on any platform or does the consumer now have the understanding to make new demands for faster and better ways to get that content? Initially technology probably drives the consumer but, arguably, today's "consumers" really do drive the technologist. This panel will explore the topic and along the way find out what's new and what's not.
- Moderator: Michael McEwen, Director-General, North American Broadcasters Association (NABA)
Panelists:
- Kip Schauer, Global Head, Media & Entertainment, Google Cloud
 - Robert Cerbone, VP & GM, Media, Intelsat
 - Bogdan Frusina, Co-Founder and CEO, Dejero Labs
 - Richard Buchanan, Comcast Technology Services

12:30 Buffet Lunch provided by **Dejero**

13:15 **2.4 Spectrum Issues and Update**

Hear the latest updates regarding the spectrum issues that may have the most significant effect on the broadcasting industry. Some of the topics discussed include the UHF repack in North America, the consideration of repurposing a portion of C-band spectrum that is used for FSS downlinks for mobile use and how these issues may affect the TV, wireless microphone, and radio aspects of the broadcasting business.

Moderator: Winston Caldwell, VP, Spectrum Engineering, Advanced Engineering, Fox Networks Group

Panelists:

- Kurt Riegelman, Senior VP, Sales, Marketing & Communications, Intelsat
- Bob Weller, VP, Spectrum Policy, NAB
- Mike Antonovich, CEO, Eutelsat Americas
- Reza Saiphoo, Director, News Technology, Corus
- Michael Beach, VP, Distribution, NPR

14:15 Coffee Break provided by **ARQIVA**

14:30 **2.5 IP Evolution and the Enabling Opportunities to Integrate Cloud, File Delivery, Data Centers, and Satellites**

With the ecosystem changes, how do we make it all work for broadcasters/programmers and how we can be more efficient? We are all moving quickly to make sure we reach the fast-growing market of digital consumers, how does connectivity help shape our digital strategy?

Moderator: John Ball, VP, Int'l Distribution Technology, Turner | WBU-IMCG Chair

Panelists:

- Ryan Korte, Principal Network Architect, Media Services, CenturyLink
- Jeremy Dujardin, CTO, Global Media & Entertainment Services, TATA
- Jim Poole, VP, Global Service Provider/BD, Equinix
- Kris Barker, Head, Product Development, Arqiva

15:15 **2.6 Cloud: Innovation for News**

Now that the use of cloud services is pervasive in broadcast operations, how can we best leverage cloud for news collection, editing and playout?

Moderator: John Lee, NABA Technical Committee Chair | Digital Engineering Consultant, FOX

Panelists:

- Craig Dwyer, Sr. Director, Global Centre for Excellence, AVID
- Michael Koetter, SVP, Digital Media Systems, Turner
- Steven Reynolds, CTO, Imagine
- Bhavik Vyas, Amazon AWS, M&E Global partnerships
- Yvonne Thomas, Product Manager, MediaPortal, Arvato Systems S4M
- Luc Comeau, Sr. Business Development Manager, Dalet

16:15 **Announcements | Closing Remarks**

16:30 **Techwood Studio Tour (30 mins)**

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