

## Toronto May 2022

The Toronto Section meeting on 10 May was a hybrid Zoom meeting, held at the Toronto Metropolitan University. Fifteen people attended in person and 53 joined via Zoom.

Lane Steinheuer discussed the National Association of Broadcasters (NAB) mission statement and how this year's NAB was much smaller. Cloud is here, augmented reality/virtual reality/extended reality (AR/VR/XR) are daily tools, remote production is here to stay, green sustainability is being discussed, and Artificial Intelligence (AI) is integrated into every function. Pictures of the Tesla tunnel used to access various halls were shown. NAB was divided into four themes: create (IP), connect (OTT), capitalize (NFTs), and intelligent content (blockchain).

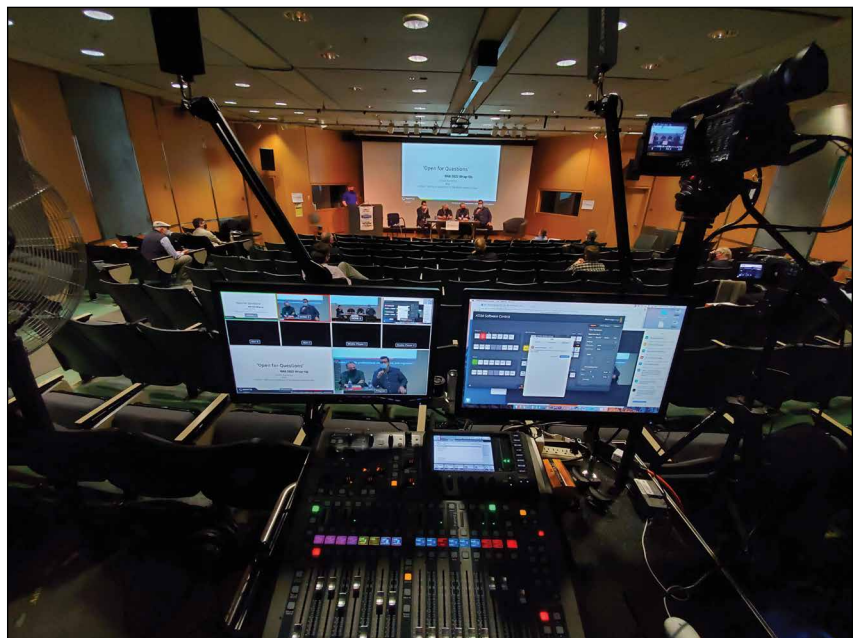
David August, director, technical operations at Dome Productions, discussed how to continue to foster customer relationships and facilitate image acquisition for archiving. Clients no longer require hardware, so how do we architect solutions. Many people discussed moving away from serial digital interface (SDI) to network device interface (NDI), and Internet Protocol (IP)-based multiviewer options were a big hit. We went to NAB to learn more about mobile and web distribution options and to expand our knowledge base in digital-based workflows.

Paul Roeser, manager of sales operations at Applied Electronics, shared photographs of the sparse crowds. Booths with light-emitting diode (LED) displays and floors were more appealing than green screens. He also showed pictures of a new theater under construction that will cost



\$1.8 billion, house 17,000 seats, have a screen with a resolution of 19,000 × 13,500, and 157,000 multidirectional speakers. Many booths did not have equipment on display as they were primarily focused on software-based solutions. According to one manufacturer, graphical processing unit (GPU) chips that were \$60 are now selling for \$1,000. Sony is developing drones, and ATMOS offers cloud studio.

Graham Beer, a student at the RTA School of Media, Toronto Metropolitan University, said he enjoyed all the tours, which included Arri on multicamera production, Sony on 4K broadcasts, Ross Video on Hyper E-Sports Arena, Dejero on critical connectivity, Black Magic Design on DaVinci Resolve, and VizRT on LED walls. He summarized takeaways as follows: IP is happening, media personalization



Audio/video cart providing Zoom streaming at the Toronto Section meeting.

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is key, and the buzzwords were flexibility, modularity, and scalability.

The presentations were followed by a panel discussion, which included topics on media orchestration, remote work from home, SMPTE ST 2110 issues, implementations for AR/VR/XR, AI, metadata, LED versus green screen, ATSC 3.0 viability, and next NAB wishes.

—*Jaime Caeiro, Section Manager*

### Washington, D.C., March 2022

The Washington, D.C., Section provided members and guests with a close-up look at the advantages of using web browser-based editing with a presentation titled “Create more content faster—with less cost and carbon.”

The virtual event on 2 March began at 7:00 p.m., with Section Chair Maciej Ochman calling the meeting to order and conducting a brief business meeting before handing it over to one of the panelists and

Section Manager, Jonathan Solomon, who is also an Amazon Web Services partner solutions architect.

In his opening remarks about the meeting’s topic, Solomon explained the concept of cloud-native editing and why it was becoming increasingly popular. He especially noted that the need to help reduce the “carbon footprint” with the vast amount of content production going on in today’s world is one of the forces driving this type of workflow. Huw Dymond, director of product and operations at Blackbird, was introduced next and he described his company’s workflow processes, which are geared toward operational and technical efficiency in remote production. He stated that this is directly related to sustainability and carbon footprint reduction because it reduces or eliminates the need for much of the physical equipment and other infrastructure associated with conventional editing processes, as well as the need for large file transfers

and production-related travel. Dymond stated that using the technology developed by his company, it is possible to deliver content in less than 30 seconds and to perform professional-grade editing of this content to be accomplished by anyone and from anywhere.

Dymond then turned the program over to Mike Petro, Blackbird’s technical account director, for a demonstration of how the editing system operated.

Participants of the Zoom meeting were invited to submit questions as the program progressed, and several did, with Dymond fielding them, as some involved how certain editing processes were accomplished, manipulating the editor’s user interface to graphically demonstrate the effect that the questioner asked about.

—*James E. O’Neal,  
Section Member*

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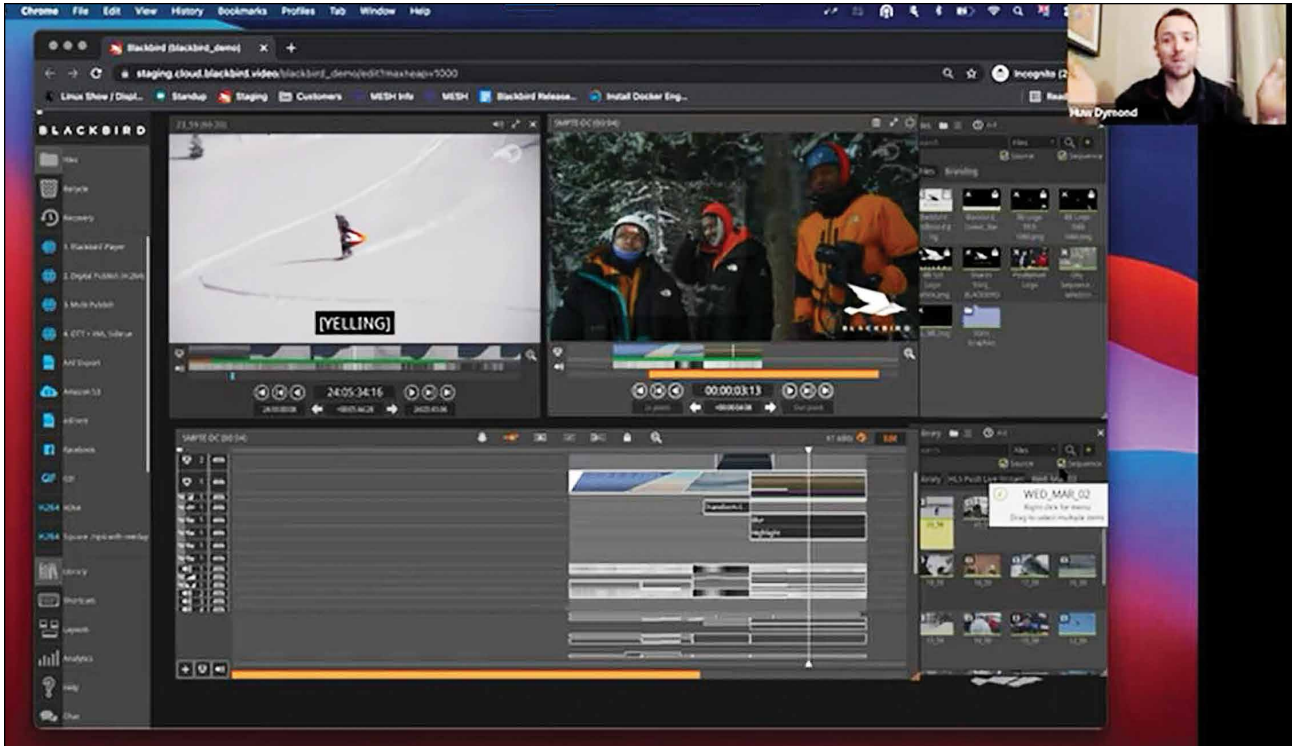
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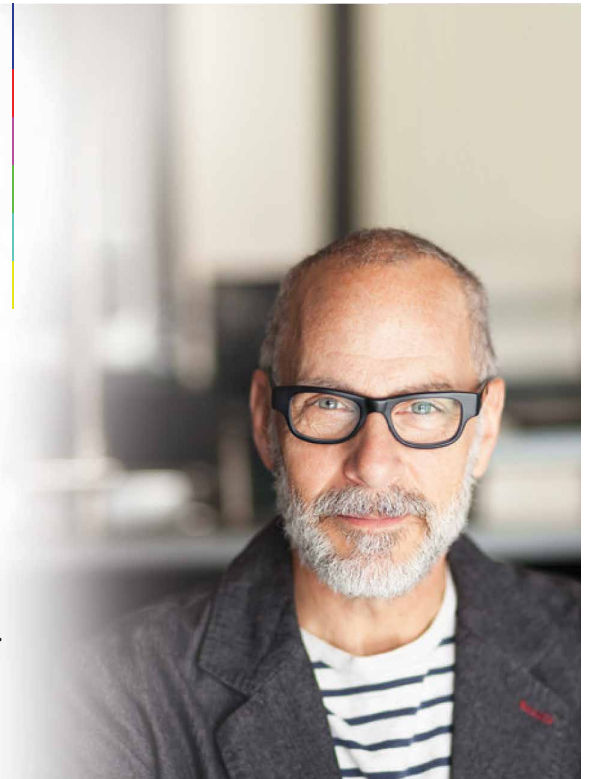


Program presenter Huw Dymond (upper right inset in this screenshot) explained the editing functionalities associated with web browser-based editing in remote production workflows at the Washington, D.C., meeting.

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