TOPIC: Mobile DTV

DATE: Tuesday January 12, 2010
TIME: 7:00 p.m.
LOCATION: Rogers Communications Centre, Room RCC-361
Ryerson University – 80 Gould Street, Toronto
ARRANGED BY: Paul Briscoe, Harris Broadcast and Brad Fortner,
Ryerson University
SPONSOR: Ryerson University

The Advanced Television Systems Committee has approved a new mobile digital TV standard that will allow digital TV broadcasters to deliver content to a broad variety of mobile devices. The A/153 ATSC Mobile DTV Standard targeted devices include not only mobile phones, but also other handheld devices and in-vehicle entertainment systems. The standard is the culmination of a development process that took about two and a half years. With Mobile DTV being a hot technology topic at this month’s Consumer Electronics Show the evening’s presentation has been designed to update SMPTE Toronto members on the latest developments in Mobile DTV.

Speakers and presentations at this meeting include:

Dealing with IP for Mobile in an MPEG World – Dr. Richard Chernock, CTO, Triveni Digital will present his paper exclusively to the Toronto Section remotely employing SMPTE PDA technology. The paper, originally delivered at October’s SMPTE Hollywood conference, details how the A/153 standard has been designed to use IP transport inside ATSC for both streaming and file content delivery for Mobile DTV. The protocol stack will be explained, as well as the mechanisms adopted to allow “broadcast quality” to be achieved. Additionally, considerations for differences in the component interconnections will be discussed.

Dr. Chernock is active in many of the ATSC and SCTE standards committees, particularly in the areas of metadata, monitoring, and data broadcast. Within ATSC he chairs a number of ad hoc committees whose work relates to metadata and transport issues. He is vice-chair of the Technology & Standards Group (TSG) and chairs the Non-Real-Time Services and Mobile/Handheld management layer activities within ATSC. He also is a participant in the SCTE HMS activity and has authored and coauthored several books the most recent being DTV Monitoring and Troubleshooting published by Focal Press.

ATSC M/H Technology and Workflows - A Progress Update - Stan Moote, VP, Corporate Development, Harris Broadcast - Mobile television is poised to become the next killer app for broadcasters. Understanding how to exploit this new technology is a must. This presentation will cover the new ATSC M/H standard from the high level business, content production and a technical points of view.

A highly respected industry veteran, Stan began his television career in 1977, as a plant engineer for CFTO-TV in Toronto, Canada. Stan was involved in the original SMPTE Digital Video Standards Committee meetings creating CCIR-601 and continues by coordinating activities within Harris Broadcast for standards groups. Through his domain knowledge working with video and audio, Stan focuses on workflow solutions, new technologies and interoperability at Harris.

The SMPTE Board of Managers will meet in room RCC-102 starting at 4:10 PM.

Members and guests are invited to join us at “The 3 Brewers Pub”, 275 Yonge Street @ 5:30 p.m.
Individual dinner cheques will be issued upon request.
Job Opportunities at Harris

Harris is an international communications and information technology company serving government and commercial markets in more than 150 countries. The Broadcast Communications division of Harris is one of the world’s leading developers and manufacturers of broadcast television equipment, software and workflow solutions. We develop video, audio and data products and systems that enable broadcasters and media companies to streamline workflow from production through to transmission. Whether you are watching TV via off-air, cable, satellite, or on a mobile product, you are seeing the result of our technology at work. Check us out at: http://www.broadcast.harris.com/

The following jobs are available immediately in our Toronto and Waterloo offices. Visit http://www.harris.com/harris/careers and use the Job Search link to check out these and all other open Harris opportunities

Senior Hardware Engineer - Toronto, Canada - BCD09091018
Senior Software Developer - Waterloo, Canada - BCD08091012
Software Engineer - Waterloo, CA - BCD07091037
Software Engineer - Waterloo, Canada - BCD07091045
Software Quality Engineer - Waterloo, CA - BCD07091035
Multimedia/Web Development - Toronto, Canada - BCD07091027