

AUDIO ■ PANEL

THURSDAY, 23 JULY ■ 2:00PM - CONFERENCE ROOM 2

Title: 5.1 Surround Sound

**Moderator: Al Craig
Black Inc Recorders**

**Panelists: Scott McKenzie, Amber Tech
Jason Pendleton - Nine Network
Glenn Carrick - Ten Network
John Albiston - Seven Network
Tim Davis – Foxtel
Ken Fryer - Audio Supervisor
Dennis Baxter - Audio Producer (Olympics) (live via IP audio from Vancouver)
Tim Carroll - Linear Acoustic**

Abstract

Topics discussed: Acquisition, Distribution, Transmission, Reception

**Key Discussion Areas: Metadata
Loudness
Lip sync
Encoders / Decoders
Downmix / Upmix**

Bio

Al Craig

Emmy award winning audio director Al Craig has been involved in the entertainment industry for over 30 years both here and in the US. He has worked on a broad range of programs from major sporting events to major music shows. Al started his television career in New York City working for one of the 1st freelance OB companies there. Over the next 12 years he worked for all the major networks and ESPN.

Al moved to Australia in 1988 and went to work for the Sydney Convention Centre. After 10 years of corporate AV, Al signed on as Audio Producer for the Sydney Olympics Broadcasting Organization. Since then, he has also worked with NBC on the Olympics in Greece, Italy and China. Al is also heavily involved in the music industry as a producer and engineer and owns Black Inc Recorders.

Tim Carroll

Tim Carroll is president of Linear Acoustic Inc., a company he founded to offer innovative, customer-centric solutions for managing multichannel surround sound audio and loudness issues in digital broadcast. The company has several award-winning products and technologies including the AERO-series of television loudness control systems and UPMAX stereo to 5.1 channel upmixing- a technology that is also licensed into several 3rd party products.

Previously, he was the Product Manager for the Professional Audio Division of Dolby Laboratories in San Francisco where he helped define and develop Dolby Digital (AC-3), Dolby E, metadata, and Dolby Surround products for Digital Television, DVD, Digital Radio, and Digital Cinema applications. He was later recognized by the Academy of Television Arts and Sciences with an Emmy® for his work on the Dolby E system. He is also an inventor of several patent-applied-for audio technologies.

Mr. Carroll remains actively involved in the creation of digital broadcast standards and practices. He is a member of IEEE, AES, SBE, SMPTE, and BKSTS and is an active participant in the work of the ATSC.

John Albiston

John has worked with the Seven Network for 20 years and has been actively involved in the migration from analogue to digital infrastructure and linear to non-linear operations within Seven. Roles include Chief Engineer 7 Melbourne from 1996, Design Engineer for Seven's coverage of the Atlanta Olympics, Design Engineer for Seven's Broadcast Centre at Docklands, Victoria and digitisation and implementation of server-based editing of Seven's facilities in Sydney, Brisbane, Adelaide and Perth. He currently resides at Docklands as Technical Services Manager of Seven's Broadcast Centre.