Sacramento Section Meeting Notice

Date: Wednesday, February 19, 2020

Time: 6:30 pm

Meeting Start Time: Food/Drink/Social: 6:00 pm

Location:
Nevada County Media
355 Crown Point Circle Suite D (behind Analog Devices)
Grass Valley, CA 95945

Contact: Remington Maxwell – 530-913-7707

Speaker: Magnus Danielson – Senior System Architect, Net Insight

Large Scale Remote Production – Correcting and Protecting Time and Synchronization

Modern Packet Networks used for media transports were not designed to carry timing, but we still require them to be as robust as traditional SDI based production workflows. While PTP addresses most of the packet network needs for synchronization in the Studio Local Area Network (LAN), there are challenges it cannot meet for timing distribution between venues for large scale Remote Production over Wide Area Networks (WAN). PTP itself is vulnerable and, by design, not encrypted. Standards have yet to address these problems. We will discuss a technology in use today with time-transfer for Nation-Wide Synchronized Networks. How this works to provide timing for GPS/GNSS independent venues, harden networks from attacks on jamming and spoofing and backup Local Network PTP timing.

About the speaker:
Magnus Danielson is a Senior System Architect at Net Insight, with focus on synchronization, timing and audio for Switching and Transport technology. He joined Net Insight in 1997 working in different roles with standards implementation into new technologies, including the first products SDI, AES/EBU, MADI with Time-Transfer technology. He is currently involved in maintaining and working directly with Standards Groups for VSF, SMPTE, IEEE and others. He holds 20 patents and is an IEEE Senior Member, SMPTE member and AES Member.

Sandwiches, cookies and beverages will be provided. RSVPs are required. Please RSVP to msmothers@ewingfoley.com no later than Monday, February 17, 2020.

Non-members and guests are welcome to attend. SMPTE annual memberships are available on-line (https://www.smpte.org/join) and start at $75 for an individual and $15 for students.

For questions about this meeting, please contact any Section officer.

We hope to see you there.