

2020 / 2021 Season

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Evening Presentation Notice

Date: **Tuesday, January 26th, 2021**
Time **19:00**
Location: **Live via Facebook in your kitchen, living room, office...**
Organized by: SMPTE Montréal
Sponsored by: SMPTE Montreal
Language: French/English

Subjects: **Video Transport protocol for IP**

IMPORTANT: This presentation, open to all, will be available via a live streaming service on our Facebook page (<https://www.facebook.com/SMPTEMTL/>).

Your SMPTE-MTL committee is proud to team-up with Ghislain Vollette & Jean Lapierre to present an evening on Video Transport Protocol for IP.

The evening will be hosted on Facebook where you will be invited to interact with us and ask your questions....

Please note that a "door prize" will be awarded among all participants at the end of the evening.

Evening Schedule:

19:00 – 19:35 SRT protocol demystified - Ghislain Collette, Haivision

The Secure Reliable Transport (SRT) multimedia transport protocol enables the transmission of high quality, secure and low latency video, audio and data content over multiple networks, including the public Internet.

This technical presentation will explore the operation of the SRT protocol in detail as well as the free software library (open source) by explaining the important elements of the protocol and how it takes into account latency, lost packet recovery, security, firewalls, and optimization of bandwidth.

This presentation will also provide examples and data on the behavior of the protocol on the internet in the real world that has been observed in contribution and streaming applications.

The presentation will be given in French with English material.

19:30 – 20:15 Overview of the new IPMX standard for the ProAV industry - Jean Lapierre, Matrox Graphique

IPMX, for Internet Protocol Media Experience, is based on the work of the VSF IPMX working group and aims to provide an AV over IP standard for the ProAV industry.

This standard is intended to respond to some additional needs of the professional audiovisual industry, including HDCP copy protection, network discovery and recording, I/O management and improved audio channel mapping.

Jean will give a preliminary overview of this still unpublished standard, which is open and free. He will present the work in progress and will mainly discuss the differences between the IPMX and ST2110 standard, for the timing and for the differences in PTP synchronization between IPMX and ST 2110.

The presentation will be given in English

Version française sur document séparé

<https://www.smpte.org/sections/montrealquebec>

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PRESENTATION OPEN TO ALL
PLEASE POST... PLEASE POST... PLEASE POST

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Biography:

Ghislain Collette - Vice President - Broadcast Product Management, Haivision

Ghislain has twenty years of experience in video telecommunications, having worked in the broadcasting, cable distribution and streaming sectors.

Before Haivision, Ghislain was a project engineer at Videotron, designing and coordinating the deployment of network projects across the province and subsequently was product manager for video transport products at Miranda Technologies / Miranda Media Networks before participating in the start-up from Haivision.

Ghislain holds a bachelor's degree in electrical engineering from the University of Sherbrooke.

Jean Lapierre - Senior Director of Advanced Technologies, Matrox Graphic

A graduate of Concordia University in the field of computer engineering, Jean joined Matrox in 1989.

Since then he has been involved in the development of advanced video streaming hardware and software at Matrox. As a member of the Matrox video product group, he has worked on a variety of broadcast-related projects, from frame grabbers to modern non-linear video editing systems.

He is the co-inventor of several patented technologies in the field of video effects, editing and transport. He was part of the team that developed Matrox Digisuite, an Emmy Award-winning real-time editing PC expansion card.

Most recently, as Senior Director of Engineering for the Matrox video product group, he was involved in the development of Matrox's SMPTE ST-2022 and ST-2110 technologies.

He is the co-chair of the VSF working group for IPMX