S.M.P.T.E.
Montréal / Québec / Ottawa Chapter

Evening Presentation Notice

Date: Tuesday, January 21st, 2020
Time: 18:00 to 20:45
Location: CIRMMT, Salle A832 du Pavillon de Musique Elizabeth Wirth (8th floor)
527 Sherbrooke Ouest
Montréal, Québec, H3A 1E3
Parking: Street parking, indoor private parking nearby. McGill metro, bus 245

Organized by: Marie-Ève Bilodeau, Gaétan Gautier, Pierre Marion, in collaboration with Mrs. Isabelle Cossette, directrice au CIRMMT
Sponsored by: SMPTE Montreal

Language: Presentations will be given in either French or English

Subjects: Audio Standards and Technologies

IMPORTANT: In order to participate to this evening, you need to register via Eventbrite before January 20th, 17:00
This presentation is open to all, but seating is limited.
A streaming service on our Facebook page (https://www.facebook.com/SMPTEMTL/)

Your SMPTE-MTL committee is proud to team-up with the Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT, McGill University) to present an evening on Audio standards and technologies.

But before we start the evening, faithful to our habit, we invite you to a Happy Hour, from 18:00, to discuss and network and where food and beverages will be offered.

Evening Schedule:

18:00 – 19:00: Networking and visit of CIRMMT
The evening’s participants are invited to a tour of CIRMMT’s laboratories and classrooms. The visits will be done in groups of 10 to 15 people guided by Mr. Jérémie Voix and Mr. Roumain Dumoulin.

19:00 – 19:10: Word of welcome, Daniel Guévin

19:10 – 19:30: Presentation of CIRMMT, Isabelle Cossette et Jérémie Voix
Presentation of the Centre for Interdisciplinary Research in Music Media and Technology.

19:30 – 20:00: Multimedia Music Room (MMR) technical implementation, Roumain Dumoulin et Julien Boissinot
Romain Dumoulin and Julien Boissinot will be doing an on-site presentation on the technological implementations of MMR. The MMR is a multimedia experimental and performance research space shared with the Schulich School of Music (SSM), which includes variable acoustics. Ongoing renovations will make the MMR a world-class laboratory-performance space for research in music, media and technology. Moveable acoustic treatments and an electronic acoustic enhancement system will allow for high-quality flexible and variable acoustic performances. A new rigging infrastructure will let researchers mount research equipment anywhere in the space.

20:00 – 20:15: Pause

20:15 – 21:00: The Atmos audio standard, Jean-Luc Louradour
In cinema, for decades, it has been assumed that there is a fixed relationship between the width of the image and the position of the left and right speakers. Some studios, and certainly some theaters, opt for a larger screen than the recommended "standard" size, in order to have a more impressive picture. As the position of the speakers often cannot be changed, this results in a non-standard picture/sound relationship. The arrival of a higher image resolution tends to push the reference position closer to the screen (or enlarge the screen), which further changes the picture/sound relationship.

**NOTICE**

PRESENTATION OPEN TO ALL BUT RSVP ON EVENTBRITE
PLEASE POST... PLEASE POST... PLEASE POST

Version française sur document séparé
https://www.smpte.org/sections/montrealquebec

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Biographies:

Isabelle Cossette
Director of the Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT), Mrs. Cossette teaches in Music Education at the Schulich School of Music at McGill University. Her research aims at fostering the development of evidence-based pedagogies through the study of the performer-instrument interaction, its biomechanical and expressive aspects, as well as looking into the health benefits of music-making. Her training in flute performance and respiratory mechanics, her international collaborations and work with over 20 research trainees led her to publish in scientific journals such as *Respiratory Physiology and Neurobiology,* and *Acta Acustica United with Acustica.*

Jérémie Voix
Mr. Jérémie Voix is a professor in the Department of Mechanical Engineering at the École de Technologie Supérieure. He heads the CRSNG-EERS industrial research chair in in-ear technologies (CRITIAS) for the development of advanced technologies based on original hardware platforms allowing to instrument the human ear and using algorithms for processing audio signals, and extraction of biosignals. Jérémie is also an active member of CIRMMT.

Roumain Dumoulin
Mr. Roumain Dumoulin is Project Manager at CIRMMT

Julien Boissinot
Mr. Julien Boissinot is Systems/Technical Manager at CIRMMT

Jean-Luc Louradour
Mr. Louradour holds a diploma in Electrical Engineering from the Schools of Higher Technologies (ETS) in the canton of Neuchâtel, Switzerland. Upon his arrival in Quebec in 1974, he worked in the recording industry, first in music studios, then in the post-production field. Specialist in electronic maintenance, modifications to existing devices and manufacturing of unique devices. He participated in the design and integration of numerous studios in the Montreal region. During these occupations, Jean-Luc developed an interest in acoustics, and since 1985, he founded Résonance TJL inc, with the help of Mr. Tim Hewlings, a firm dedicated to acoustic design, specializing in studios for music, film, television and radio.

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**Canadian Governor**
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