

## PROGRAMME/PROGRAM

Toutes les heures sont indiquées dans le fuseau horaire de Montréal (EST, UTC-05:00).

All times are listed in Montreal's time zone (EST, UTC-05:00).

**POUR ACCÉDER AUX LIENS, INSCRIVEZ-VOUS GRATUITEMENT À L'ÉVÉNEMENT / TO ACCESS THE LINKS, REGISTER FOR FREE TO THE EVENT**

### JEUDI, 4 FÉVRIER / THURSDAY, FEBRUARY 4

9:15-9:30 Accueil et introduction / Welcome and introduction

#### 9:30-10:15 Table ronde / Round table 1 - **Timbre and orchestration I**

- Aurélien Antoine, Philippe Depalle, and Stephen McAdams (McGill University), **"Harnessing the Computational Modelling of the Perception of Orchestral Effects for Computer-Aided Orchestration Tools"**
- Stephen McAdams, Meghan Goodchild, Alistair Russell, Beatrice Lopez, Kit Soden, Er Jun Li, Alfa Barri, Shi Tong Li, and Félix Baril (McGill University), **"The Orchestration Analysis and Research Database (Orchard)"**
- Landon Morrison (Harvard University), **"Computer-Assisted Orchestration, Format Theory, and Constructions of Timbre in New Media Culture"**
- Lindsey Reymore (McGill University), **"Instrument Qualia, Timbre Trait Profiles, and Semantic Orchestration Analysis"**

#### 10:15-11:00 Table ronde / Round table 2 - **Timbre and orchestration II**

- Lena Heng and Stephen McAdams (McGill University), **"Timbre's function in perception of affective intents. Can it be learned?"**
- Erica Y. Huynh (McGill University), Joël Bensoam (IRCAM), and Stephen McAdams (McGill University), **"Bowed plates and blown strings: Odd combinations of excitation methods and resonance structures impact perception"**
- Han-Na Kim (University of Toronto), **"Timbre Saturation for Chamber Orchestra"**
- Jason Noble (McGill University), **"A case study of the perceptual challenges and advantages of homogeneous orchestration: fantaisie harmonique (2019) for two guitar orchestras"**

11:30-13:00 **Atelier du Forum IRCAM** avec / **IRCAM Forum Workshop** with Carmine Emanuele Cella (orchestration assistée par ordinateur et Orchidea / computer-assisted orchestration and Orchidea)

14:00-15:30 **Panel de compositeurs / Composer panel 1**: Linda Bouchard, Carmine Cella, Zosha Di Castri, James O'Callaghan

- James O'Callaghan, **"Alone and unalone: conceptual concerns in simultaneous headphone and speaker diffusion"**
- Carmine Cella (University of California, Berkeley, CNMAT)
- Linda Bouchard (Concordia University, residency at Matralab), **"Live Structures / Structures vivantes"**

### VENDREDI 5 FÉVRIER / FRIDAY, FEBRUARY 5

9:30-11:00 **Atelier du Forum IRCAM** avec / **IRCAM Forum Workshop** with Thibaut Carpentier (spatialisation / spatialization)

#### 11:30-12:15 Table ronde / Round table 3 - **Spatialization, virtual reality, and augmented reality**

- Amy Brandon (Dalhousie University), **"Composing for AR space: creating interactive spatial scores for the METAVision headset"**
- Matthew D. Gantt (Rensselaer Polytechnic Institute), **"Sound and Virtuality: Creative VR, Ambisonics and Expanded Composition"**
- Andrea Gozzi (SAGAS—University of Florence), **"Listen to the theatre! Exploring Florentine performative spaces"**
- Florian Grond and Wieslaw Woszczyk (McGill University), **"Exploring the possibilities of navigating and presenting music"**

### **performances with a 6DoF capture system"**

- Rob Hamilton (Rensselaer Polytechnic Institute), **"Virtual Instrument Design for the 21st Century"**

### **12:15-13:00** Table ronde / Round table 4 - **Spatialization, Spat, and SpatGRIS**

- Michael Century (Rensselaer Polytechnic Institute), **"Performance-demonstration of Pauline Oliveros's Expanded Instrument System for HoA using Spat"**
- Nicola Giannini (Université de Montréal, CIRMMT), **"Eyes Draw Circles of Light, acousmatic piece for dome of speakers"**
- Jack Kelly (McGill University), **"SPAT tools for presence research in immersive music reproduction"**
- Robert Normandeau (Université de Montréal), **"ControlGRIS/SpatGRIS3: Spatialization tools developed at UdeM"**
- Diego Quiroz (McGill University), **"Gestural Control for immersive recordings using Leap Motion for SPAT:Revolution"**

### **13:30-14:15** Table ronde / Round table 5 - **Spatialization, sound art, and immersive experience**

- Jeffrey Boyd, Friedemann Sallis, Martin Ritter (University of Calgary), **"The hallucinogenic belfry: analyzing the first forty measures of Keith Hamel's Touch for piano and interactive electronics (2012)"**
- François-Xavier Féron (STMS Lab [CNRS, Ircam, Sorbonne Université]), Cédric Camier (Saint-Gobain Recherche, CIRMMT), Catherine Guastavino (McGill University, CIRMMT), **"The sound centrifuge: spatial effects induced by circular trajectories at high velocity"**
- Catherine Guastavino (McGill University, CIRMMT), **"Spatial sound art in public spaces"**
- Laurie Radford (University of Calgary), **"Getting into Place/Space: The Pedagogy of Spatial Audio"**
- Nadine Schütz (Artistic Residency IRCAM), **"Land Sound Design" and "Composing with Echoes"**

### **14:15-15:00** Table ronde / Round table 6 - **Composing timbre and space**

- Monica L. Bolles, **"Orbits: An exploration in spatial audio and sonification"**
- Dongryul Lee (University of Illinois at Urbana-Champaign), **"A Thousand Carillons: Acoustical Implementation of Bell Spectra Using the Finite Element Method and Its Compositional Realization"**
- Anésio Azevedo Costa Neto (Instituto Federal de São Paulo—IFSP / Universidade de Brasília / IDMIL—McGill University), **"Cerrado—Applying spatialization techniques to expanded perceptive fields"**
- Marlon Schumacher and Núria Giménez-Comas, **"Sculpting space"**

## **SAMEDI 6 FÉVRIER / SATURDAY, FEBRUARY 6**

Symposium iX — Son & Immersion / Sound & Immersion

We are pleased to co-present the Symposium iX organized by the Société des arts technologiques (SAT) on February 6, 9:30-3:00 EST. This 7th edition of the Symposium iX, dedicated to immersive sonic experience, will be presented on the Hub Satellite, a new web VR platform developed by the SAT. While access to the web platform is limited to a small audience (already sold out), the events will also be streamed on Vimeo for all Forum participants.

Nous sommes heureux de co-présenter le Symposium iX organisé par la Société des arts technologiques (SAT) le 6 février, de 9h30 à 15h00 HNE. Cette 7ème édition du Symposium iX, dédiée à l'expérience sonore immersive, sera présentée sur le Hub Satellite, une nouvelle plateforme de RV web développée par la SAT. Bien que l'accès à la plateforme web soit limité à un petit public (déjà complet), les événements seront également diffusés en streaming sur Vimeo pour tous les participants du Forum.

### **Programme / Program**

**9:30-9:40** Présentation du Metalab, laboratoire de recherche de la SAT / Presentation of Metalab, SAT research laboratory

**9:40-10:15** Projet Bretez, archéologie de paysages sonores / Bretez project, archeology of soundscapes

**10:15-11:30** Navigation à 6 degrés de liberté dans l'Orchestre Symphonique de Montréal / 6 degrees of freedom navigation in the Montreal Symphony Orchestra

**11:30-12:15** Rendu de scènes audio spatiales hétérogènes avec SATIE / Rendering heterogeneous spatial audio scenes with SATIE

**12:15-13:30** Auralisation en temps réel avec vaRays / Real-time auralisation with vaRays

**13:30-15:00** Présentation des oeuvres immersives et projets sélectionnés / Presentation of immersive works and selected projects

#### **JEUDI 11 FÉVRIER / THURSDAY, FEBRUARY 11**

**9:30-11:00** Atelier du Forum IRCAM avec / IRCAM Forum Workshop with Jean-Louis Giavitto and José Miguel Fernández

**11:30-13:00** **Atelier du Forum IRCAM** avec / **IRCAM Forum Workshop** with Simone Conforti

**13:30-14:15** Table ronde / Round table 7 - **La musique électroacoustique, l'interprétation et le multimédia [FR]**

- Denis Beuret, **"Ensemble virtuel, un programme qui groove"**
- Emilie Fortin and Sophie Dupuis, **"Reconceptualiser une oeuvre interdisciplinaires: Known Territories 2.0"**
- Ludovic Landolt, **"Musique Éternelle - Bourdon et occurrences harmoniques des cloches"**
- Jacques Rémus (Ipotam Mécamusique), **"Les Thermophones, récentes évolutions et spatialisation"**
- Roxanne Turcotte (CMCQ SMCQ), **"Les oiseaux de Nias"**

**14:15-15:00** Table ronde / Round table 8 - **Interactivity and multimedia in composition**

- Carlos Delgado, **"Real-time Gestural Control of Sound Synthesis, Spatialization, and Video Effects Parameters"**
- Ben Neill (Ramapo College of New Jersey), **"Fantini Futuro"**
- Marcel Zaes (Brown University), **"#otherbeats: Resisting the Grid — Performing Asynchrony"**
  
- Tiange Zhou (UC San Diego), **"LUX FLUX: Design sound and light work in Max/Msp through DMX"**
- Ofer Pelz and Matan Gover (CIRMMT), **"Sound Tracks: An interactive video game composition"**

#### **VENDREDI 12 FÉVRIER / FRIDAY, FEBRUARY 12**

**9:30-11:00** Atelier du Forum IRCAM avec / IRCAM Forum Workshop with Philippe Esling (**orchestration assistée par ordinateur et IA / computer-assisted orchestration and AI**)

**11:30-13:00** **Panel de compositeurs / Composer panel 2** : Sasha Blondeau, José Miguel Fernández, Jean-Luc Hervé, Philippe Leroux, Georgia Spiropoulos [FR]

**13:30-14:15** Table ronde / Round table 9 - **Composers from the McGill Digital Composition Studio**

- Omer Barash, ***Mit Groys Kheshek*** for cello and electronics
- Joy Blanchard, ***Prelude 3*** for violin and electronics
- Xue Han
- Jonas Regnier, ***Compulsion-Spirale***

**14:15-15:00** Table ronde / Round table 10 - **Composing with technology**

- Taylor Brook (Columbia University), **"Agency and Meaning of Computer-Generated Music in Virtutes Occultae"**
- Christopher Chandler (Union College), **"The Generative Sound File Player: A Corpus-Based Approach to Algorithmic Music"**
- Louis Goldford (Columbia University), **"Assisted Orchestration, Spatialization, and Workflow in Two Recent Compositions"**
- Christopher Trapani, **"The augmented orchestra: Spinning in Infinity"**