

# FORUM IRCAM

International meeting for  
sound innovation



Workshops | Conferences | Demos  
| Installations | Concerts

March 26 to 28, 2025 | [forum.ircam.fr](http://forum.ircam.fr)

# IRCAM Forum Workshops



ircam Centre Pompidou



**RAVE**  
3th anniversary  
for Forum Ircam 30th anniversary  
Ariel Chemtita - Romeu-Santos

# FORUM WORKSHOPS TEAM

**Paola Palumbo** - Forum Event Manager

**Hugues Vinet** - Director of Innovation and Research Resources

**Greg Beller** - Product Manager

**Karim Haddad** - Technical Support Manager

**Karin Laenen** - Sales & Marketing Executive

**Guillaume Piccarreta** - Web Developer

**Pierre Provence** -Event Assistant

**Production** : Jonathan Durand, Eric de Gélis, Jérémie Henrot, Nicolas Poulet, Grégoire Lavaud, Jean-Jacques Mondoloni, Bastien Sabarros

In partnership with : **Continuucon.**

Supported by : CNM, ALEA,  
sonicLab, HAKEN AUDIO

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CONTINUUCON



sonicLAB



HAKEN AUDIO

# IRCAM Forum Workshops



## IRCAM FORUM WORKSHOPS

The Ircam Forum is a unique place where artists and scientists, technologies and imaginary worlds come together.

You will have the opportunity to meet IRCAM's R&D teams, to meet users, demonstrate your software, show your artistic project, take part in all the programming and organise workshops in small groups.

The Ircam Forum creates a space for developing a sustainable and collaborative community. It becomes a social event for users from all over the world and of all generations.

This year will host sessions from the international ContinuuCon conference and the SynthFest.

Next Forum Ircam Hors les murs will be in Riga-Liepaja and Taipei 2025.

# WEDNESDAY, MARCH 26TH PROGRAM - IRCAM

## SALLE STRAVINSKY - *Conferences*

- 09h30 - 10h00      *Introduction Forum*  
Hugues Vinet, Paola Palumbo
- 10h00 - 10h30      *News AnaSynth team*  
Axel Roebel
- 10h35 - 11h05      *News ASAP and Partiels software*  
Pierre Guillot
- 11h05 - 11h20      BREAK
- 11h20 - 11h50      *News S3AM Team*  
Robert Piechaud, Charles Picasso, Christophe Desquennes, Thomas Helie
- 11h55 - 12h25      *News ISMM Team*  
Frédéric Bevilacqua
- 12h30 - 13h15      *News OpenMusic*  
Karim Haddad, Steven Socha
- 13h15 - 14h30      LUNCH BREAK
- 14h35 - 15h35      *The latest advances in audio generation by the ACIDS group of the Analysis Synthesis team*  
Philippe Esling, Nils Demerle, Axel Chemla
- 15h40 - 16h10      *Presentation DAFNE+ - Latest advances*  
Hugues Vinet, Greg Beller
- 16h10 - 16h30      BREAK
- 16h30 - 17h00      *R-IoT : wireless OSC IMU sensors - Progress Report*  
Emmanuel Fléty, Marc Sirguy (EoWave)
- 17h05 - 17h35      *SPD group - About tools for sound design (SPD team)*  
Nicolas Misdariis
- 17h40 - 18h10      *Presentation of "Promenade Sonore: Vent, Soleil, Pluie"*  
Nadine Schütz

# WEDNESDAY, MARCH 26TH PROGRAM - IRCAM

## SALLE SHANNON

11h30 - 13h00 Workshop Reality Check for Das Wohlpräparierte Klavier  
Philippe Manoury, Miller Puckette

15h30 - 17h00 Musikmaschine  
Astrid Drechsler (University of Graz)

## STUDIO 2

14h00 - 18h00 REACHing Space SESSION Co-Creative Soundscapes :  
Spatial Awareness and Influence in Somax2 +  
Somax2Collider presentation  
M. Fiorini, A. Gatti, J.M. Fernandez

## STUDIO 5

### Sessions

11h00 - 11h15

11h30 - 11h45

12h00 - 12h15

12h30 - 12h45

13h00 - 13h30

Plane of Emergence - Spatial Diffusion Systems  
Jan Ove Hennig

14h30 - 15h00

Emerald Ash  
Terri Hron

### **Session SonicLAB**

16h00 - 16h45

- Presentation

16h45 - 17h30

- Current directions in computer music software  
development at SonicLAB  
Sinan Bokesoy

## STUDIO 4

11h00 - 18h00 Re-sounding Bodies Artistic residency - release  
Alberto Gatti

## GALERIE

10h00 - 18h00 Paint a Raga  
Nikita Raina

# THURSDAY, MARCH 27TH PROGRAM - IRCAM

## STRAVINSKY - *Conferences*

- 10h00 - 10h30 News EAC Team  
T.Carpentier
- 10h35 - 11h05 Acoustic objects : Creating and distributing Personal Immersive Audio Experience  
Jean-Marc Jot
- 11h05 - 11h20 BREAK
- 11h20 - 11h50 Public Intimacy  
Sylvain Souklaye
- 11h55 - 12h25 Web-based educational spatial audio system and interfaces for Boulez' Dialogue de l'ombre double  
Alex Ruthmann
- 12h30 - 13h00 Elements of technique and language for performing and composing with the digital musical instrument Karlax  
Brice Gatinet, Benjamin Lavastre
- 13h00 - 14h00 LUNCH BREAK
- 14h00 - 14h30 GranShaper synth / New stratégies of granular synthesis and derivative types of sound synthesis : granular "vocoder" / "waveshaping" and "shape-morphing"  
Nikolai Khrust
- 14h35 - 15h05 "Rosebud" Working with motion sensor data in audio and video post-production  
Matthias Krüger
- 15h10 - 15h40 EaganMatrix Compiler : Automated Assembly Code Optimization  
Cameron Fuller
- 15h40 - 16h00 BREAK
- 16h00 - 16h30 Unknowable Certainty : lullaby to put myself to rest  
Cyan D'Anjou
- 16h35 - 17h05 Analog ring modulation : a DIY approach inspired by historical techniques  
Rodrigo F. Cádiz, Tomás Koljatic, Michel Rozas, Cristián Garcés, Juan Parra Cancino,
- 17h10 - 17h40 Bellplay : Software and Sound Design in ludus vocalis  
Felipe Tovar-Henao

# THURSDAY, MARCH 27TH PROGRAM - IRCAM

## SHANNON

- 10h00 - 10h30      Quantum Fields Sound Synthesis (QFSS)  
Robert Lisek
- 10h45 - 11h15      Emotion-Driven audio and multimédia generation using  
brain-computer interfaces and deep learning.  
Tommaso Colafiglio, Fabrizio Festa, Tommaso Di Noia
- 11h15 - 11h30      BREAK
- 14h00 - 15h30      Workshop DAFNE+  
Hugues Vinet, Guillaume Piccarreta, Greg Beller
- 16h00 - 17h30      Workshops DAFNE+ - Hands on Reality Check  
Miller Puckette

## SALLE NONO

- 11h15 - 13h00      Sonic Lab - Workshop  
Sinan Bokesoy, Laurent Mialon
- 13h00 - 14h00      LUNCH BREAK
- 14h00 - 15h30      Workshop ASAP  
Pierre Guillot

## THURSDAY, MARCH 27TH PROGRAM - IRCAM

### STUDIO 5

#### "Acousmatic massages" Artistic residency - release

Vincent Isnard, Laurent Corvalan Callegos

10h30 - 11h45      *Round Table* with Isabelle Viaud-Delmon, Denis Dufour

2 Sessions :

12h00 - 12h20

12h40 - 13h

16h00 - 18h00      *REACHing Forum Session : update on research, creations and software tools.*

*Update on REACH's complete software suite: Omax, Somax2, SomaxCollider, Djazz and Dicy2*

G. Assayag, J.M. Fernandez, M. Fiorini, A. Gatti, M. Chemillier, M. Malt

### STUDIO 2

11h15 - 13h00      *Hearing from within a Crossfade*  
Lewis Woltstanholme

SESSIONS

14h00 - 14h30      *Demo CAIRO (Creative Augmented Impulse Response Objects)*

14h30 - 15h00  
15h00 - 15h30      Nadine Schütz, Anthony Gallien, John Burnett, Markus Noisternig, Olivier Warusfel

16h00 - 16h30      *How to DJ in Spatial Audio*  
Deep Space



# OFF-SITE VISIT TO THE INSTALLATION LAND “PROMENADE SONORE - VENT | SOLEIL | PLUIE”

**Thursday 27th : 19h00 - 19h45**

The land sound artwork Promenade Sonore : Vent, Soleil, Pluie is a sonic promenade in three parts, imagined and composed by sound artist Nadine Schütz for the public space that is the Pleyel footbridge.

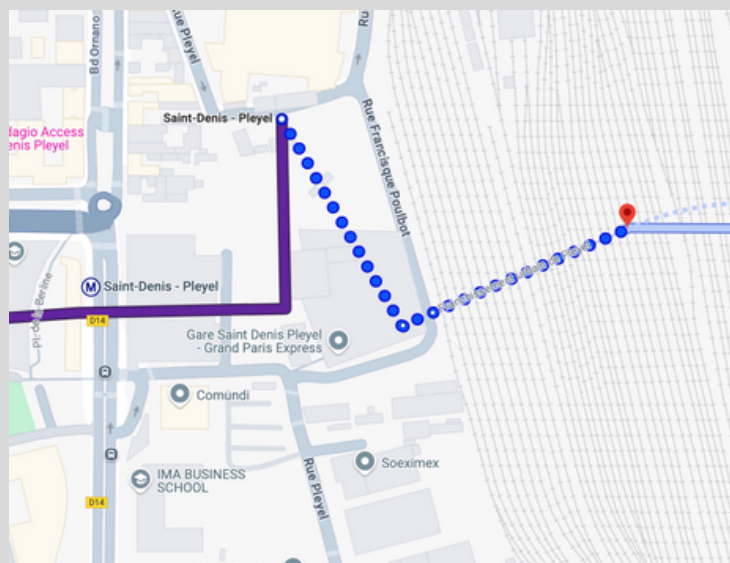
Three sculptural sound-generating instruments were created specifically for the three supporting structures, each corresponding to a meteorological element. They create a relaxing landscape ambience that varies the perception of the site's materiality, spatiality and climate. Wind, sun and rain are the musicians.

This land sound artwork results from a close collaboration between the sound architect and composer Nadine Schütz and the architect-engineer Marc Mimram. It proposes a new approach to art and music in public spaces by considering them an integral part of a place-making process. The three sound installations combine mechanical and electro-acoustic as well as pre-recorded and generative components that augment each other, thus exploring composition based on environmental interaction in different ways.

**By Nadine Schütz**

## **Where :**

Franchissement urbain Pleyel, Canton de Saint-Denis-1, 93200 Saint-Denis



**Ligne 14 (M) 14 (29') : Châtelet -> Saint-Denis - Pleyel**

# THURSDAY, MARCH 27TH PROGRAM - IRCAM

## STUDIO 3

10h00 - 12h15      *Moving Sound Pictures : Hommage, an immersive VR experience*  
Konstantina Orlandatou

14h30 - 17h30      *Artistic residency - release : Teaching and developing soundworks - playground@2.0.0*  
Garth Paine

## STUDIO 4

11h00 - 18h00      *Re-sounding Bodies Artistic residency - release*  
Alberto Gatti

## VIGIE

10h00 - 17h00      *Multisequencer System*  
Augustin Muller

## GALERIE

10h00 - 18h00      *Paint a Raga*  
Nikita Raina

## FRIDAY, MARCH 28TH PROGRAM - IRCAM

### STRAVINSKY - Conferences

- 10h00 - 10h30      *Sonifying The Powder Toy*  
Kieran McAuliffe
- 10h35 - 11h05      *Sinusoidal run rhythm*  
Steffen Krebber
- 11h05 - 11h20      *BREAK*
- 11h20 - 11h50      *Latent Terrain: Dissecting the Latent Space of Neural Audio Autoencoders*  
Jasper Zheng Shuoyang
- 11h55 - 13h00      *Session C-LAB (Application of Dicy2 in the Production - The Day in Gad-Avia)*  
Tsang Jing-shiuan & Chen Chia-hui
- 14h00 - 14h30      *Networked Virtual Instruments in the Stochastic Sound Rhizome*  
Tansy Xiao (Online)
- 14h35 - 15h05      *Art music Denmark presents : Xavier Bonfill*
- 15h10 - 15h40      *Overton - Decorrelated Spatial Synthesis*  
Martin Antiphon
- 15h40 - 16h00      *BREAK*
- 16h00 - 16h30      *Immersive Telematic Performance*  
Randall Packer
- 16h35 - 17h05      *Rave model challenge Awards Ceremony*
- 17h15 - 18h00      Presentation training courses 2025 - 2026  
Philippe Langlois  
&  
Closing session by the forum team

## FRIDAY, MARCH 28TH PROGRAM - IRCAM

### SHANNON

- 10h30 - 11h00 *Visceral Sonic Oyster*  
Yidi Wang
- 11h00 - 11h15 *BREAK*
- 11h15 - 11h45 *Comprovisation as a compositional method for a neuroscience-inspired contemporary music show for toddlers aged 0 to 2*  
Anne Chabot-Bucchi
- 12h15 - 13h00 *Reinventing Real-Time Multichannel Audio Processing with FPGA Technology*  
Maxime Popoff, Romain Michon, Tanguy Risset
- 14h35 - 15h05 *An attempt at Unified Music Technology Framework : Bridging Audio, Visual, and AI Domains with the Elixir Language*  
Thibaut Barrère
- 15h10 - 15h40 *Artists & Engineers : How We Communicate – Behind the Scenes of Sound Art (Installation/Theatre) with Multichannel Audio*  
Hosoi Miyu - Conference
- 16h00 - 16h45 *Navigating Precision and Liveliness in Artificial and Human Voice Drones with Ensemble Ikosikaihenagone*  
Benjamin Duboc, Diemo Schwarz
- 16h45 - 17h00 *BREAK*
- 17h00 - 17h45 *Koral: Playing music collectively using smartphones as musical instruments*  
Frédéric Bevilacqua (IRCAM), Charles-Edouard de Surville, Damien Barbaza (Arts Convergences)

### STUDIO 5

- 10h00 - 18h00 *Electronic Music Conference*  
Continuucon Session

# ContinuuCon at Ircam Forum

## Session Continuucon - Program

10h00 - 11h00	<i>Edmund Eagan</i>
11h00 - 12h30	<i>Approaching the Continuum (one instrument, two mindsets)</i> Grégoire Blanc, Clément Rousillat
12h30 - 14h00	BREAK
13h15 - 14h00	<i>Informal demonstration</i> Christophe Duquesne
14h00 - 15h00	<i>Edmund Eagan - Practical examples</i>
15h00 - 15h30	<i>Open time for discussions</i>
15h30 - 17h00	<i>Overlay Synths, Making Overlays Synths</i> Guillaume Bonneau, Lippold Haken, Christophe Duquesne, Josh Madoff, Edmund Eagan, Rob Schwimmer
17h00 - 17h30	<i>Open time for discussions</i>
17h30 - 18h00	<i>Brain Waves Meets the EaganMatrix</i> Tony K., T. Leung

March 28th at IRCAM  
From 9h30 to 18h00  
Studio 5

## FRIDAY, MARCH 28TH PROGRAM - IRCAM

### STUDIO 2

11h15 - 13h00

Lenna  
Hosoi Miyu

13h00 - 14h00

LUNCH BREAK

#### Sessions

14h30 - 15h00

15h00 - 15h30

16h00 - 16h30

Methods for Procedural Design of Spatial Reverb  
John Burnett, Benoît Alary

16h30 - 17h00

17h00 - 17h30

### STUDIO 3

14h30 - 15h30

An adaptive Acoustic Software or Perceptual Audio Codec for Instrumental Music, which can be tangibly used for Music Hardware, Products & Accessories  
Arnab Dalal

16h00 - 17h00

Merzmania  
Gintas Kraptavicius

### STUDIO 4

11h00 - 18h00

Re-sounding Bodies Artistic residency - release  
Alberto Gatti

### VIGIE

10h00 - 17h00

Trembling Chamber : Composing Immersive Electroacoustic Experiences with the language of Butterflies  
Zhao Jiajing

### GALERIE

10h00 - 18h00

Modeling variations in tempo, beat, and onsets in music performances  
Pablo Alvarado

10h00 - 18h00

Paint a Raga  
Nikita Raina

# PRACTICAL INFORMATIONS

Entire event conducted in English

## VENUES

IRCAM  
1 Place Igor  
Stravinsky  
75004, Paris

## METRO

- Hôtel de ville (1,11)
- Rambuteau (11)
- Châtelet (1,4,7,11,14)
- Les Halles (4 RER A,B,D)

**Franchissement Pleyel :**  
Franchissement urbain  
Pleyel, Canton de Saint-  
Denis-1, 93200 Saint-  
Denis

METRO :

**Ligne 14**  **14** : Châtelet -> Saint-Denis - Pleyel



## CATERING SERVICES

Buffet offered at lunchtime - to all participants on March 26, 27, 28 on presentation of your badge.

## EXHIBITIONS

Badges are only valid for access to temporary exhibitions at the Centre Pompidou.

## MEDIATHEQUE

During our workshops, Ircam mediatheque will be accessible for all participants from 2pm to 6pm.

Guide Tour on Thursday 27th at : 11AM, 11:30AM, 12 AM, 12:30AM (10 persons per session).

**\*\*\*Only on registration (available at level -2)\*\*\***

## FURTHER INFORMATION

Available on Forum Ircam website :  
[here](#)

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