



# FORUM VERTIGO DESIGNING THE LIVING

March 27-30, 2019  
Centre Pompidou, free admission

MUTATIONS / CRÉATIONS 3

# VERTIGO



## THURSDAY, MARCH 28

2 PM (NEXT TO THE CENTRE POMPIDOU)  
**Pollution Explorers**  
PARTICIPATORY PERFORMANCE  
LING TAN

3 PM  
**Panel Discussion  
on Participatory Design**

LARISA BLAZIC ARTIST, DATA UNION FORK  
CLARE PATEY DIRECTOR, EMPATHY MUSEUM

PANOS SAKKAS AND FOTEINI SETAKI  
ARTISTS, PRINT YOUR CITY

LING TAN ARTIST, POLLUTION EXPLORERS

MODERATOR  
RAMA GHEERAWO DIRECTOR,  
THE HELEN HAMLYN CENTRE FOR

4:30 PM  
**Augmented experiences**  
Presentation of Residencies:

Embryonic  
Transhuman expression  
Chatroom of things  
Wind Avatar  
Data Union Fork – Tools for Data Strike

5:30 PM  
**Announcement of the Laureates of  
the Third Call for STARTS Residencies**

6:30 PM TO 8 PM  
**Panel Art and Technology:  
Disruptive Frames**

This concluding round table discussion brings together high-level industry leaders, designers and scientists look at the latest experiments involving artists in disruptive innovation processes.

INTRODUCTION  
SERGE LASVIGNES PRESIDENT OF THE CENTRE POMPIDOU  
RALPH DUM EUROPEAN COMMISSION, STARTS PROGRAMME  
PIERRE J. MAGISTRETTI PROFESSOR OF NEUROPHYSIOLOGY,  
PRESIDENT OF THE INTERNATIONAL BRAIN RESEARCH  
ORGANIZATION

SILVIO NAPOLI CHAIRMAN OF THE BOARD,  
SCHINDLER HOLDING LTD

LIZA PRZIODA PROJECT INNOVATION  
MANAGEMENT GLOBAL, BOSCH

ANNELIECK SIJBRANDIJ FOUNDER AND PRESIDENT  
OF THE VERBIER ART SUMMIT

MODERATOR  
NICOLAS HENCHOZ DIRECTOR, EPFL-ECAL

## WEDNESDAY, MARCH 27

2 PM  
**Introduction**  
HUGUES VINET IRCAM, STARTS  
RESIDENCIES PROJECT COORDINATOR

2:15 PM  
**New Physics**  
Presentation of Residencies:  
Atom Chasm  
Sci-Fi Miners  
Spelaion  
Print Your City  
Orbital River Station

3:15 PM  
**“Close the Loop” Panel Discussion  
Assessment of the first round  
of residencies**

By the Code of Soil : (de)Compositions  
KASIA MOLGA ARTIST AND FEIMATTA CONTEH  
SERVICE INNOVATION LEAD, GROW OBSERVATORY

Magic Lining

KRISTI KUUSK ARTIST AND ANA TAJADURA JIMENEZ  
RESEARCHER, UNIVERSIDAD CARLOS III, MADRID

Blueprints for an Emergent Personality

KATE ASPINALL ARTIST AND GEMMA BOLEDA  
RESEARCHER, UNIVERSITAT POMPEU FABRA

4:15 PM  
**Mixed Reality**  
Presentation of Residencies:

Froth of the Daydream  
Immersive Minimalism  
My Fears Murred  
Sleep in the City

5 PM  
**STARTS Lighthouse pilots**  
Presentation of the projects  
and their residency opportunities:

Projet Re-Fream

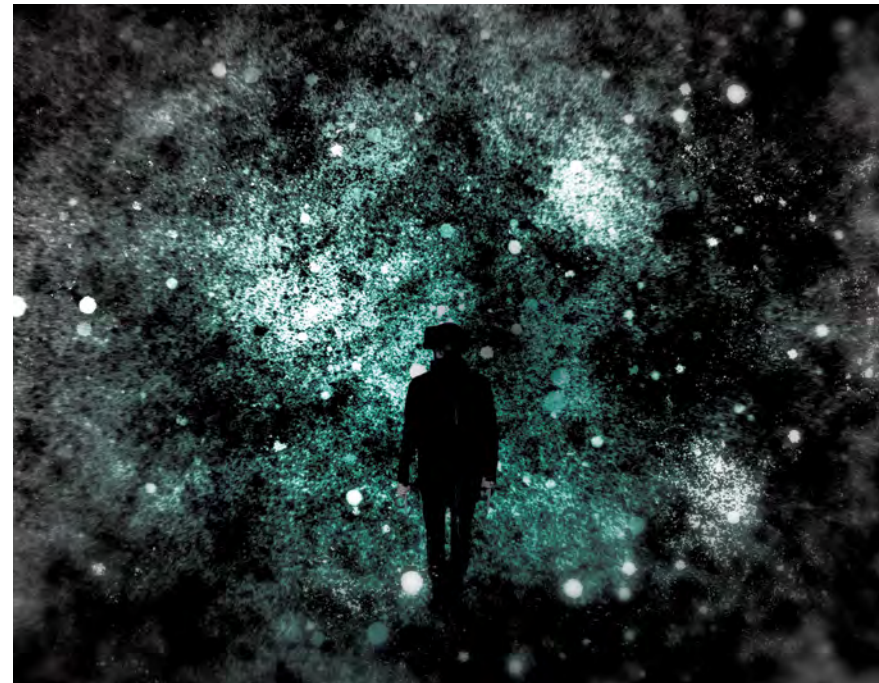
ISABEL BERZ RESEARCH AND EDUCATION  
CENTER AT IED, ESPAÑA

GISA SCHOSSWOHL PROJECT COORDINATOR RE-FREAM,  
CREATIVE REGION LINZ & UPPER AUSTRIA

MindSpaces

SOTIRIS DIPLARIS CENTRE FOR RESEARCH  
AND TECHNOLOGY, HELLAS

5:30 PM  
**Future STARTS Here**  
Pitch Session on art+tech+science projects



## WEDNESDAY, MARCH 27 & THURSDAY, MARCH 28

STARTS RESIDENCIES DAYS

## ART/SCIENCE COLLABORATION IN EUROPE: ART AS A DRIVER FORCE FOR TECHNOLOGICAL INNOVATION

These two afternoons are organized by the European program STARTS Residencies, coordinated by IRCAM, in the framework of an initiative of the same name (STARTS: Science, Technology and the ARTS) that supports artistic contributions in technological innovation.

Artists and researchers involved in the program will present the results of the European artistic residencies in which they participated in connection with technology research projects.

The winners of the latest call for applications will be announced, the newest issues in STARTS and current trends and collaborations among artists, scientists, and industrialists will be discussed with leaders from these communities.

vertigo.starts.eu

vertigo.ircam.fr

Belleville 2018, cover © Récolite d'algues par le Studio Klarenbeek & Dros dans le cadre du projet Labo Algues d'Atelier Luma / Luma Art / les © Victor Picon, V&S



Mycelium chair © Mike Roglois, Studio Harenbeek & Gros

## WEDNESDAY, MARCH 27 – SATURDAY, MARCH 30

CENTRE POMPIDOU, PETITE SALLE\*

# FORUM VERTIGO : DESIGNING THE LIVING

### PRODUCTION

Ircam/La Parole/Musée national d'art moderne-Centre Pompidou.

### PROGRAM

Frank Madlener and Hugues Vinet, Ircam.

### WITH THE SUPPORT

With the support of the European Commission's DG Connect, a part of the initiative STARTS (Science, Technology and the ARTS), the Arts & Sciences Chair at the École polytechnique, the École nationale supérieure des Arts Décoratifs – PSL, and the Fondation Daniel et Nina Carasso.

### IN PARTNERSHIP WITH

the Cluster "Matters of Activity. Image Space Material" from Humboldt University-Berlin.

### MEDIA PARTNER

France Culture

 **Watch on Youtube!**  
All panel discussions are broadcast live on IRCAM's channelm.

The Forum Vertigo is an annual series of international encounters among scientists, artists, engineers and intellectuals.

Vertigo: a zoom in on a vertiginous present

Today, in the digital era, artistic creation meets a rapidly-growing domain: the sciences of the living—neurosciences, synthetic biology, nanotechnologies. The notion of “living” is presented as a completely new form of artificiality, between inert and lively, organic and mechanic, material and digital. The use, programming, and exposition of the living raises new questions.

This scientific, artistic, and ethical interrogation motivates the Forum Vertigo, envisioned in connection with the exposition “La Fabrique du vivant” (lit. Designing the Living). As a part of the third edition of “Mutations-Créations”, the Forum Vertigo 2019 will also feature developments in the European program STARTS Residencies and new forms of collaboration between artists and technological research.

## FRIDAY, MARCH 29

# BEHAVIORAL MATTER COMPOSE WITH THE LIVING

Be it in the arts, design, or sciences, how is it possible to create, to compose with living – or partially living – systems or organisms that entail a new way of defining the relationships among humans, non-humans, and environments?

### ORGANIZATION

Samuel Bianchini (EnsadLab, EnsAD - PSL and Chaire arts & sciences), Manuelle Freire (EnsadLab and Chaire arts & sciences) and Emanuele Quinz (Université Paris 8 and EnsadLab) talk with Marie-Ange Brayer (Centre Pompidou), Patricia Ribault (Humboldt University-Berlin), Olivier Zeitoun (Centre Pompidou) and Hugues Vinet (Ircam).

### 1:30 PM

#### Introduction

HUGUES VINET IRCAM, MARIE-ANGE BRAYER CENTRE POMPIDOU, SAMUEL BIANCHINI ENSADLAB

### 1:40 PM

#### Foundations in Arts, Design, and Sciences

THIERRY BARDINI UNIVERSITÉ DE MONTRÉAL

ORON CATTS ARTIST AND RESEARCHER, SYMBIOTICA, UNIVERSITY OF WESTERN AUSTRALIA

PETER FRATZL MAX PLANCK INSTITUTE OF COLLOIDS AND INTERFACES

### MODERATOR

EMANUELE QUINZ UNIVERSITÉ PARIS-8 AND ENSADLAB

### 8:30-10PM

#### “Dissect” Evening

A panel discussion/live performance, a multidisciplinary debate with contemporary works of art and design, presented via experimental stage design.

MARIE-SARAH ADENIS DESIGNER, BIOLOGIST

FRÉDÉRIQUE AÏT TOUATI SCIENCE HISTORIAN, RESEARCHER CNRS-EHES

CLAIRE BRUNET PHILOSOPHY TEACHER, DESIGN DEPARTMENT, ENS PARIS-SACLAY

EMANUELE COCCIA PHILOSOPHY TEACHER, EHES

OLIVIER DAUCHOT DIRECTOR OF RESEARCH, “COLLECTIVE EFFECTS IN SOFT MATERIAL” TEAM, ESPCI

### 3:50 PM

#### Research & Creations

LAURENCE BODELOT RESEARCHER, LABORATOIRE DE MÉCANIQUE DES SOLIDES - ÉCOLE POLYTECHNIQUE

SONJA BAUMEL ARTIST

NATSAI CHIEZA DESIGNER

ALLISON KUDLA ARTIST, DESIGNER

FRANÇOIS-JOSEPH LAPOINTE ARTIST, RESEARCHER IN BIOLOGY - UNIVERSITÉ DE MONTRÉAL

MARTIN MÜLLER RESEARCHER IN CULTURAL HISTORY AND THEORY - HUMBOLDT UNIVERSITY, BERLIN

### MODERATOR

MANUELLE FREIRE ENSADLAB ET CHAIRE ARTS & SCIENCES

### 5:40 PM

#### Reflections and Possibilities

MONIKA BAKKE ADAM MICKIEWICZ UNIVERSITY, POZNAN

JENS HAUSER RESEARCHER AND EXHIBITION CURATOR, UNIVERSITY OF COPENHAGEN

MIROSLAV RADMAN PROFESSOR EIN CELLULAR BIOLOGY, UNIVERSITÉ PARIS-DESCARTES, UNIT DIRECTOR INSERM, DIRECTOR OF THE MEDITERRANEAN INSTITUT FOR LIFE SCIENCES, SPLIT

WOLFGANG SCHÄFFNER PROFESSOR IN CULTURAL AND MEDIA STUDIES, HUMBOLDT UNIVERSITY, BERLIN

### MODERATOR

PATRICIA RIBAUTL HUMBOLDT UNIVERSITY, BERLIN

### EARLY AFTERNOON (IN THE FORUM)

#### 1000 Handshakes

### PERFORMANCE

FRANÇOIS-JOSEPH LAPOINTE

MANUELLE FREIRE RESEARCH-CREATION RESEARCHER, CHAIR ARTS & SCIENCES, ENSADLAB

EMANUELE QUINZ ART AND DESIGN HISTORIAN, UNIVERSITÉ PARIS-8 AND ENSADLAB

PATRICIA RIBAUTL JUNIOR PROFESSOR IN GESTALTUNG HISTORY AND THEORY, CLUSTER OF EXCELLENCE “MATTERS OF ACTIVITY”, HUMBOLDT UNIVERSITY, BERLIN

### MODERATORS

MANUELLE FREIRE, EMANUELE QUINZ AND PATRICIA RIBAUTL

WITH DESIGN WORKS OF ECOLOGIC STUDIO / URBAN MORPHOGENESIS LAB AT THE BARTLETT - UCL | LONDON

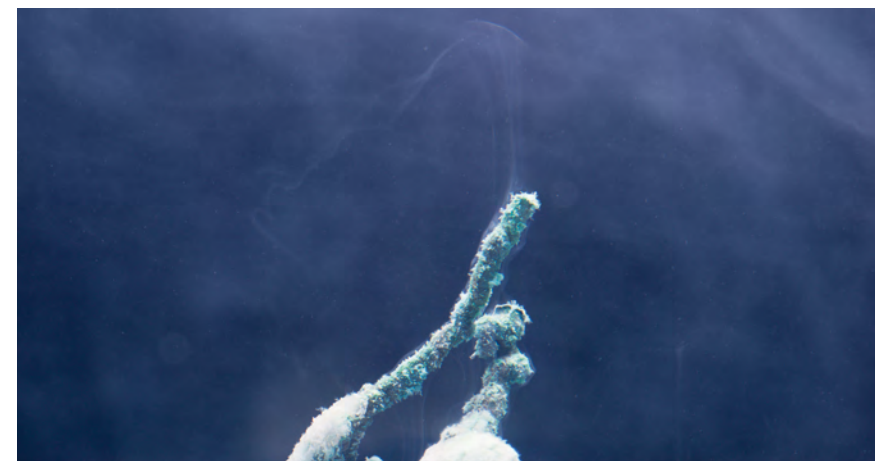
Stage design conceived and produced by Adrien Bonnerot and Pernelle Poyet (objet design), Annie Leuridan (lighting design), Sylvie Tissot (computer production) and the collaboration of Brice Ammar-Khodja, directed by Samuel Bianchini (EnsadLab). Production of the table and its ustensiles: Atelier H2.



Amy Karle, Regenerative Reliquary, 2018 © Amy Karle



Atelier Luma © Florent Gardin



Nichan Berada, Les augures mathématiques © Nichan Berada

## SATURDAY, MARCH 30

# DESIGNING THE LIVING

The day features a dialogue between the curators and artists of the exhibition “Designing the Living” and researchers in the field of biotechnologies and human and social sciences.

### PROGRAM

Marie-Ange Brayer (Centre Pompidou), Olivier Zeitoun (Centre Pompidou), Jean-Louis Giavitto (STMS – CNRS/Ircam) et Hugues Vinet (Ircam).

### 1:30 PM

#### Introduction

MARIE-ANGE BRAYER AND OLIVIER ZEITOUN, CURATORS

### 2:30 PM

#### Engineering Nature

DAVID BENJAMIN ARCHITECT

TERESA VAN DONGEN DESIGNER

STÉPHANE DOUADY PHYSICIST, DIRECTOR OF RESEARCH CNRS

ÉRIC KLARENBECK ARTIST

GUILLIAN GRAVES DESIGNER

MAURIZIO MONTALTI OFFICINA CORPUSCOLI

### MODERATOR

JAN BOELEN Z33 HASSELT / ATELIER LUMA

### 4:30 PM

#### Program the Living

ALEXANDRA DAISY GINSBERG ARTIST, DESIGNER

DONALD INGBER BIOLOGIST AND DIRECTOR OF THE WYSS INSTITUTE, UNIVERSITY OF HARVARD

AMY KARLE ARTIST

PHILIPPE MARLIÈRE BIOLOGIST

JULIAN MELCHIORRI ENGINEER, DESIGNER

HONGJIE YANG DESIGNER, RESEARCHER

### MODERATOR

OLIVIER ZEITOUN CENTRE POMPIDOU

### 6 PM

#### Modelling the Living: Scalable Systems and Bio-Computational Architecture

CLAUDIA PASQUERO ARTIST, ECOLOGICSTUDIO

MARCOS CRUZ ARTIST

ANOUK LEGENDRE ARCHITECT, AGENCE XTU

SPELA PÉTRIC ARTIST

JEAN-LUC HERVÉ COMPOSER

ANNICK LESNE PHYSICIST, DIRECTOR OF RESEARCH CNRS

### MODERATOR

MARIE-ANGE BRAYER CENTRE POMPIDOU

### 7:30 PM (FORUM 0)

#### Manipulate the Living

DEBATE AT THE CENTRE

Biotechnologies, genetic engineering, transhumanism: the manipulation of the living blurs existing boundaries and raises fundamental philosophical, legal, and ethical questions.

### INTRODUCTION

JEAN-MAX COLARD CENTRE POMPIDOU

JEAN-MICHEL BESNIER PHILOSOPHER, PROFESSOR AT SORBONNE UNIVERSITÉ

DENIS DUBOULE BIOLOGIST, PROFESSOR AT THE COLLÈGE DE FRANCE, UNIVERSITY OF GENEVE AND EPFL

EDITH HEARD GENETICIST, PROFESSOR AT THE COLLÈGE DE FRANCE, INSTITUT CURIE

ANOUK LEGENDRE ARCHITECT, AGENCE XTU

MARC ROUX PRESIDENT, ASSOCIATION FRANÇAISE TRANSHUMANISTE

### MODERATOR

SYLVAIN BOURMEAU PRODUCER AT FRANCE CULTURE, DIRECTOR OF AOC

Other Mutations/Creations events with IRCAM

MARCH 26–29, IRCAM

#### IRCAM forum Workshops

MARS, 28, 8:30 PM, CENTRE POMPIDOU

#### Concert “Ircam live”

Installation in 3D video & Ambisonics by Openendedgroup (Marc Downie and Paul Kaiser) and Natasha Barrett. Premieres by Scanner, Raphaël Imbert and Benjamin Lévy

THROUGH APRIL, 15, CENTRE POMPIDOU

#### Biotope

A “fearful” acoustic system for the exhibition “Designing the Living”, by Jean-Luc Hervé, commissioned by IRCAM-Centre Pompidou, premiere 2019