

"(Back) On Tracks!"

LASER Paris
Thursday 22 October 2020
Cité internationale des arts
(Auditorium)
18 rue de l'Hôtel de Ville
75004 Paris
19h00 - 21h00

<http://www.olats.org/laser/laser.php>

with **Anouck Durand-Gasselin, Laurent Rigou, Florent Hivert, Nicolas Thiéry, Vincent de Lavenère**

Free admission in the limit of available seats, registration required
(<https://tinyurl.com/y4hud53x>)
and we start on time!
LASER Paris takes place in French

Due to the sanitary measures, we are not able to hold our usual informal conversation around the drinks & snacks after the presentations and discussions. Wearing a protection mask is mandatory.

Programme

> **Anouck Durand-Gasselin** (artist) et **Laurent Rigou** (pédologist, Research Unit ASUP, Hautes-Pyrénées) //

"**On the Tracks of the fungi ...**", about the project **Sporées et Mycéliums**
pop up exhibition of a selection of artworks

Alice is biting into the mushroom, at times on one side and at times on the other side, which is, we have to confess, an arduous task as it is quite difficult to know where are the *sides* of a *round* object ...

As far as they are concerned, the artist Anouck Durand-Gasselin and the pedologist Laurent Rigou are considering the mushroom a being in its own right, with whom to collaborate.

For over ten years, with the project "sporées et mycéliums", Anouck Durand-Gasselin is attempting to reveal what could be the "expression of the forest". She is creating "spore-images" or "mycélium-images" with the fungi complicity. This project has been nurtured by several scientific disciplines and when she met the pedologist Laurent Rigou it took another direction toward a stronger relation

with the whole ecosystem and the various interactions of the fungi with the environment. Laurent Rigou is leading us through the first layers of the soil, where the mycelium is developing, telling us about the alchemical power of mushrooms.

> **Florent Hivert** and **Nicolas Thiéry** (professors in computer science, Laboratoire de Recherche en Informatique/Computer Science Research Laboratory, University Paris-Saclay, CNRS), and **Vincent de Lavenère** (author-juggler, artistic director of the Cie Chant de Balles)// (project supported by La Diagonale Paris-Saclay) //

"**On the Tracks of the mathematical model ...**", about the project **Jonglerie musicale, automates et combinatoire**

Musical juggling demo

It is not that often that a new musical instrument is invented, nor that playing it is the basis of advanced mathematical researches, neither that this is reinventing a whole new way of juggling which, nevertheless, is rooted into ancient history! The project *Jonglerie musicale, automates et combinatoire* that is presented and discussed during this LASER Paris meeting is a scientific outreach performed-conference that has been created in 2016 bringing together a professional juggler and a researcher in fundamental computer science.

This project is based on a common research which goal is to find a way to write scores for a team of jugglers playing with musical balls. The main modelisation tool in this project is the siteswap theory and the finite-state automaton. In relation with the musical juggling, the notions of modelisation and particularly of finite-state automaton are explained.

> Moderator : Annick Bureau

> During the break : Audience announcements

LASER Paris is co-organized by **Leonardo/Olats** (www.olats.org) and **La Diagonale Paris-Saclay** (<http://www.ladiagonale-paris-saclay.fr>) in collaboration with the hosting venue, the **Cité internationale des arts** (<https://www.citedesartsparis.net/>)

LASER Paris is supported by the Daniel and Nina Carasso Foundation. (<https://www.fondationcarasso.org/>). The LASER Paris meeting of October 22nd has received the support of the Creative Europe programme of the European Union.

