- BASS HOLOGRAMS -
ELECTRONIC HYBRID BASS PERFORMANCES

Inspired by Indian music and its most ancient instrument, the Rudra Veena, Floy Krouchi develops the FKBass, an augmented bass which uses electronics and real time transformation

BASS HOLOGRAMS - 50' ELECTRONIC BASS SOLO

Exploring the bare bones of bass frequencies, the torpor of oscillations, a relationship to silence unfolds within Bass Holograms and takes the audience to the very edge of sound, inside time, into the swirls of an "electronic raga". Rhythm, mass, fabric - from noise based pulsation to amplified silence - each solo is a unique piece, recorded at a precise moment in time, numbered and dated like a painting or an artefact.

Bass Holograms and its "electronic raga" are the fruit of research Krouchi carried out in India on the art of ragas and microtones in Hindustani music with Pandit Hindraj Divekar, master of Rudra Veena.

Performed at Multiphonies GRM/Paris, Le Phénix/Valenciennes, Lieu Multiple/ Poitiers, Tigermen Den/New Orleans, Spectrum NYC/New York, Panoply Lab/ Brooklyn, Firehouse Space/Brooklyn & festivals such as Elektricity/Reims, Nuits d'Hiver/ Marseille, France Rocks/New York, LEM/Barcelone, Resonances Electriques /Strasbourg, Bruits Blancs/Alfortville, Matadero/ Madrid, Hangar/ Barcelona, Signal, Spazio Musicale/Cagliari, MIRR/Paris.

https://www.youtube.com/watch?v=U4VyIU8JEQI&t=2s
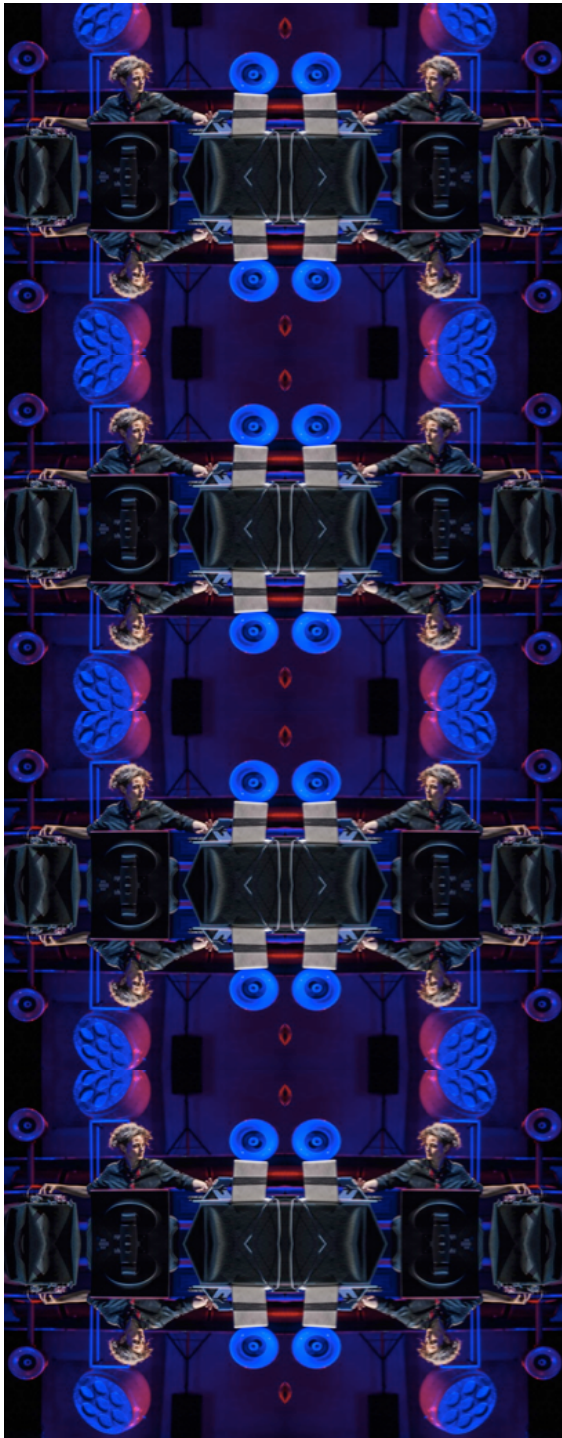
BASS HOLOGRAMS & FKBASS
MAKING THE INAUDIBLE AUDIBLE

Bass Holograms offers a research into the hybridization of an electric instrument traditionally attributed to rock and pop music – the fretless bass.

The hybrid Bass Krouchi developed, the Fkbass, incorporates elements of the Rudra Veena, one of the most ancient instruments of the classic musical tradition, the ancestor of the bass (same tuning, same number of strings) with the addition of the "chikaree", the buzz - three resonant strings ushering in tonality - a drone.

Floy Krouchi's bass is transformed in real time using an MaxMSP patch developed with Vivien Trelcat. This patch notably includes FM synthesis, analogue modelling synthesis, resynthesis using iana~, series of complex modulations using ring modulation as a base, loops and temporal effects (delay with transposition and feedback as well as reverberation).

The idea behind these sonic holograms stems from the potential of granting the listener access to sonic deployment across the whole spectrum, a deployment generated exclusively by the instrument itself, using a simple bass signal, relatively basic as far as harmonics are concerned.

2019 – RESIDENCY IN INDIA -
FKBASS IN COLLABORATION WITH IRCAM

Floy Krouchi and Robert Piéchaud, composer & research engineer in the S3AM team at IRCAM, will travel to Pune for 3 weeks work in November 2019.

Their research will revolve around meeting with Pandit Hindraj Divekar, master of Rudra Veena with whom Krouchi has been studying the art of ragas and microtonality in Hindustani music since 2003.

This research and residency has two main objectives:
- extensive research on microtonality and temperament in Indian music that will lead to the implementation of a new module of SNAIL (IRCAM's software for the analysis and visualization of the sound spectrum) dedicated to the temperaments outside Europe and in particular to traditional Indian temperaments
- development of the FKBass with Rudra Veena which will lead to the design of a virtual instrumental model MODALYS (technology synthesis by physical models of IRCAM) dedicated to the FKBass, by Robert Piéchaud
- Development of additional pieces in the repertoire of the FKBass

This project is realized in partnership with Institut Français, Alliance Française of Pune and the French cultural services in India.

FLOY KROUCHI: BASSIST AND COMPOSER

Floy Krouchi is a bassist and composer of electro-acoustic music. She cofounded Mafucage, a group of experimental women musicians in the 90s. She won the Villa Medicis grant in 2009 and the Face Council for Contemporary Music in 2016.

She also creates radiophonic art at the cross-roads of fiction, documentary and sound poetry. Some of this work such as Couvre-feux or Hijras' Diaries won international awards (Prix Luc Ferrari 2010, Prix Italia 2011, Phonurgia Nova 2013).

Her work is commissioned by several contemporary music centers such as GRM, GMEM, Cesare-Cncm) and she is performing in Europe, India, China, the Middle East and the United States.

She leads her project "Bass Holograms" in many European festivals (Spaziomusicale festival or the LEM festival).
She also works collaboratively in New York with Chess Smith, Mark Bingham and Emilie Lesbros as well as in New Orleans and Paris with drummer Benjamin Sanz with whom she is performing in a Jazz collective.

Most recently in 2018, she designed **"Sonic Totem"** an interactive sound sculpture, produced at the Hangar art center in Barcelona.

https://www.floykrouchi.org

BOOKINGS

Marie GENOUD
Genoud_marie@hotmail.com
+33 (0)9 72 66 27 92 – France
+968 95 99 27 32 – Oman & Whatsapp
Skype: genoudmarie

Bass Holograms series is a Césaré coproduction commissioned in 2014 by the GRM
Entitled "Bass Holograms #105" order.

TECHNICAL RIDER

Musician on Stage : Floy Krouchi : Bass and Electronics

DIFFUSION
The diffusion needs 6 points (see attached plan)
• L R FRONT SCENE
• L R BACK SCENE
• 2 Subs

FLOY SET UP
• 1 DI box
• 1 soundcard Fireface RME UC (carried bu the artist)
• 1 moniteur VGA + câble VGA 2m
• 1 table with black cloth (aprox 70cm long X50cm wide X 85-90 cm height)
• 1 small table 40X40X500
• 1 chair

Patch / Routing from Floy's soundcard to general mixer
OUTPUT INSERT INPUT ROUTING
Max MSP Out L Fireface Out 1 (Jack 6,35) Comp Line In 1 L – Ls – Sub L
Max MSP Out R Fireface Out 2 (Jack 6,35) Comp Line In 2 R – Rs – Sub R
Ableton Live Out L Fireface Out 3 (Jack 6,35) Comp Line In 3 L – Ls – Sub L
Ableton Live Out R Fireface Out 4 (Jack 6,35) Comp Line In 4 R – Rs – Sub R