

M1. MUSIC SESSION 1**M1.4 Frank Pecquet, Fotis Moschos, David Fierro and Justin Pecquet**
Piamenca

The TransTeamProject (T3P) works on developing interactive gloves technics - and other materials, with sound and/or visual samples. Piamenca continues the work developed in Transpiano with a specific emphasis on visual content such as transforming sound into lights, in this case together with a strong vernacular inspiration (Flamenco). T3P creative project is involved with art music together with techno-perspectives. While the audio system uses Bluetooth gloves system connected to an Arduino card, the light system uses one led strip of five meters and four led light spots. The whole system is controlled by another Arduino card which receives the information coming from the software by the USB port. As the led strip shape can be modified, we use it to interact with the space to generate shadows and light movements. The four directional led lights are placed behind the musician in order to play with the space perceived by the audience. A score will be produced.

Duration: 7' 00"

Year of Composition: 2019

Frank Pecquet was born and resides in Paris, France, French nationality. Composer, musicologist, author of works in acoustic and electronic music and articles on contemporary music. PhD in musicology/composition - Paris and San Diego Universities (UCSD). Teacher/Researcher in computer arts at the University of Paris1, Pantheon-Sorbonne. Researcher with the ACTE institute (Art Creation Theory and Esthetics) and Ircam.

Last major work Mindscape (<https://soundcloud.com/fpecquet/mindscape>), for orchestra and electronics, Commissioned by Radio France. Currently working in the field of sound design, acoustical ecology and interactive music composition.

Fotis Moschos was born in Athens, Greece. Graduated from the Department of Music Studies/University of Athens (2012) with a piano performance degree (2011, "Entechnon Conservatory"). Master with "excellent" honors in "Theory, Practice and Evaluation of Educational Project/ Direction of Digital Technologies in Education". Developed the innovative software "Fonaskein" that improves tonal accuracy singing through visual feedback. Works currently as a sound engineer and music software developer in Max/MSP.

David Fierro. Born in Columbia, resides in Paris, France. Electronic engineer, researcher and director in computer music. PhD student in music and neuro acoustics. Software and hardware developer, (CNRS, Ircam), Research and teaching institutions (Paris1, Paris5, Paris8 Universities).

Actual research on "Synchronization of brain waves: a method of composition" From an analysis of neuro acoustic effects and the close relationship between sound spatialization and synchronization of brain waves. How to create a composition

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method for brain wave training based on these observations? (Paris 8 - EDESTA - CICM).

Justin Pecquet. Born in Paris, France, resides in Berlin, Germany, with French-American nationality. Piano performer, music composer, written and improvised music. Actually, living in Berlin and studying music at the University of the Arts, Berlin (UDK, Universität Der Künste), JIB (Jazz Institute of Berlin). Member of the Urban Base Community in Berlin. Currently self-producing music, previous post, “The Korean Kat” (<https://www.youtube.com/watch?v=o7aPZYU83i8>).