

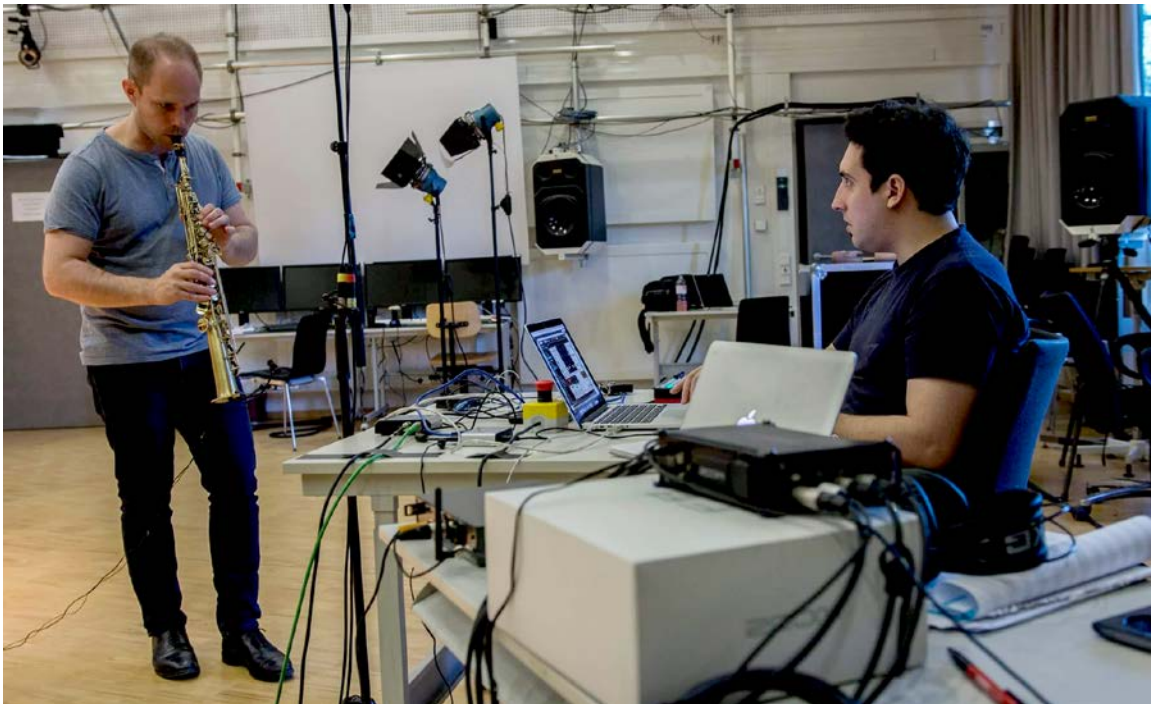
institut für elektronische musik und akustik



## Open CUBE – Konzertreihe

**„Exploring the Extended Saxophone“**

**New works for Saxophone and Live Electronics**



**Dienstag, 30.05.2017, 19:00 Uhr, IEM CUBE, Inffeldgasse 10/3, 8010 Graz**

In Zusammenarbeit mit der Gesellschaft zur Förderung von Elektronischer Musik und Akustik – GesFEMA

Saxophonist **Joel Diegert** presents three new works for saxophone and live electronics resulting from his artistic doctorate research at the Kunstuniversität Graz.

**Contraction Point** integrates a musical instrument, performer, performance space and feedback delay network system. 12 circularly positioned loudspeakers play back variable transposed delay lines of the input signal, creating complex sonic textures. The performer by listening walks tries to locate the loudspeaker with the highest transposition, playing a corresponding note on his/her instrument. The system tracks the note, evaluates a game score according to a success factor and contracts the transposition range of the delay lines accordingly, making the game more difficult for the subsequent rounds. In the final round the system contracts the delay time window, making the achieved game score perceivable as timbre.

**Neurons** is an interactive composition for soprano saxophone and electronics, based on machine listening. The title refers to the feedforward Neural Network trained and used for real-time recognition of various “sound objects” (single note, multiphonic, air tone, slap tone etc.). The computer’s response to the saxophonist is the result of both this instant recognition, as well as short and long-term memory functions. System characteristics and behavior change throughout the piece, calling for mutual adaptation between the musician and the computer as his/her co-actor.

**Aupiome** for saxophone and electronics is the result of a four-year collaboration between saxophonist Joel Diegert and composer Adrián Artacho. Inspired by the exploratory method by which it was conceived, **Aupiome** is an adaptable work which appears in a unique configuration for each performance. Tonight's performance of version “**Aupiome 42885**” draws eight movements from a larger pool which provides material for each unique iteration. The piece was co-authored by Joel and Adrián, blurring the boundaries between performer and composer.

## Programme

**Contraction Point**                      Kosmas Giannoutakis                      2015

**Neurons**                                      Artemis Gioti                                      2017

**Aupiome 42885**                              Joel Diegert and Adrián Artacho                      2017

## Open CUBE – Kalendarium

- 23.06.17 20h00** – Open CUBE – Live-Elektronik  
PPCM und Computermusik Bachelor  
Studierende der LV “Live-Elektronik” von David Pirrò
- 26.6.2017 20h00** – Open CUBE – Studierendenkonzert  
Konzert mit Studierenden von Marko Ciciliani,  
Gerhard Nierhaus und IOhannes m zmölnig
- 27.06.2017 18h00 – und 20h00** – Open CUBE - Werke Studierender des Bachelor- und  
Masterstudiums Computermusik von Dr. Gerhard  
Eckel, MA Daniel Mayer, Marko Ciciliani, PhD  
**Franziska Baumann** – Stimme und Live-Elektronik  
Gemeinsam mit dem Institut für Musikästhetik und  
dem Zentrum für Genderforschung.

Details zur Open CUBE Konzertreihe unter:

<http://iem.kug.ac.at/veranstaltungen/open-cube.html>