



| define |

# CONTROL

define festival university 19-21/10/2018

Die define festival university wird finanziert von KursKultur mit Unterstützung der Partner der Region Sønderjylland-Schleswig, des dänischen Kulturministeriums und des Ministeriums für Justiz, Kultur und Europa des Landes Schleswig-Holstein. Dieses Projekt wird gefördert mit Mitteln des Europäischen Fonds für regionale Entwicklung.



define festival university is a program for all people, living in the region of Sønderjylland/Schleswig who are interested in electronic music and sound, techniques, experiments, science, performing and playing.

## **THREE DAYS, ONE TOPIC**

# CONTROL

### PRICE

Participation is free, including full catering and accomodation in two-bed rooms.

### DATE AND VENUE

This years university is held at Jaruplund Højskole, near the city of Flensburg/Germany. The date is the 19th to 21st of october 2018.  
[www.jaruplund.de](http://www.jaruplund.de)

### WHO CAN APPLY?

Everyone living, studying and/or working in or with relation to the region of Sønderjylland/Schleswig. You are expected to have a kind of special interest in electronic music and sound.

### HOW TO APPLY?

Fill in the application form and send it to [university@definefestival.com](mailto:university@definefestival.com)  
Maximum number of participants is 30.

### LANGUAGE

define university will be in English, but Danish and German will also be heard.

### CONTACT

[university@definefestival.com](mailto:university@definefestival.com)

**A**

## FREE FLOW MUSICAL DATA

Interactive sound workshop with Svetlana Maras



TouchOSC - Pure data - DAW

This workshop teaches you to design dynamic behaviors of your music controllers by using affordable computer technology. Employing touch interfaces such as mobile phones or tablet computers, we will create versatile musical instruments with enhanced expression capability that could be used in the context of live electronic music performance, sound installations or as a compositional tool. We will learn how to use TouchOSC application with Pure data software to expand the range of sound manipulations in DAW while generating complex musical transformations and multilayered modifications of sound material. This approach enables us to use full potential of data transmission over network (OSC protocol), inspiring imaginative musical results while keeping the system completely stable and trustworthy.

Before moving into the creative process of designing our own interfaces for musical interaction and composing/performing music with it, we will learn the basics of Pure data programming. Final goal of this workshop is to inspire unconventional thinking in electronic music and to break formal patterns imposed by the use of commercial MIDI devices. Workshop ends with public presentation of demo-works.

**HARDWARE:** Tablet, mobile / laptop Mac or PC / headphones

**SOFTWARE:** TouchOSC / Pure Data / Logic or Ableton Live (preferably)

**BIO:** Svetlana Maras (1985) is a composer and sound artist from Serbia. She works at the intersection of experimental music, sound art and new media. Her musical work is finding adequate form of expression in different media, genres and representational contexts and encompasses live electronic music performance, electro-acoustic compositions, works for radio, sound and media installations.

Maras has presented her work internationally, at venues, festivals and events such as CTM (Berlin), Espace Multimedia Gantner (Bourogne), Onassis Cultural Centre (Athens), Museum of Contemporary Art (Belgrade), Ausland (Berlin), ICMC (New York), International Rostrum of Composers (Wroclaw), ISEA (Dubai), International Music Institute (Darmstadt), Orpheus Institute (Ghent) and National Radios of Austria, Australia, Finland, Sweden, Switzerland, Ireland, Slovenia and many other countries.

Maras is currently director of the Radio Belgrade's Electronic Studio.

**LINKS:**

[www.svetlanamaras.com](http://www.svetlanamaras.com)

[vimeo.com/125851954](https://vimeo.com/125851954)



## **B** WEARABLE MUSICAL INTERFACES

with Rebecca Stewart

Create a wearable musical interface using Bela Mini, an embedded platform for low-latency audio signal processing. We will start by teaching how to program Bela using Pure Data and then how to have the code interact with the physical world using custom sensors. Advanced tutorials on spatial audio signal processing techniques like binaural synthesis will be available for those interested. Using paper craft and circuitry, you will get to develop your own creative ideas and fully prototype a wearable musical performance or installation.

**HARDWARE:** Bela Mini / laptop Mac or PC / headphones

**SOFTWARE:** Pure Data

**BIO:** Rebecca Stewart is an engineer and educator. She works with artists and designers to bring to life often crazy ideas – from shoes that show you how to get home to suspension bridges that can be played like giant harps. After completing a PhD in Electronic Engineering at Queen Mary University of London, Becky helped to found Codasign, an education company that creates technology workshops for art galleries and museums. At Codasign she teaches artists and designers how to use electronics and code as creative tools.

As a lecturer in the School of Electronic Engineering and Computer Science at Queen Mary University of London, she works with e-textiles and signal processing to build interactive, body-centric wearable computing systems. These systems often incorporate performance, fashion, music and/or design.

Rebecca Stewart is a member of the Centre for Digital Music and the Centre for Intelligent Sensing. She is the author behind the book *Adventures in Arduino*, Wiley (2015).

**LINKS:**

[theleadingzero.com/portfolio.html](http://theleadingzero.com/portfolio.html)

[www.eecs.qmul.ac.uk/~rebeccas/](http://www.eecs.qmul.ac.uk/~rebeccas/)

[bela.io](http://bela.io)

**C**

## INTERACTIONS IN PLAYING LIVE

with Simon Roessler, Johannes Asbjørn Eberl Smed  
and Roald Christesen

Play electronic music live in a group, while using controllers to evolve sound and musical parameters. Use techniques like synchronisation and parameter mapping, and create ways for interaction between group members.

The workshop is independent of music genres. On day one, groups of 4 - 6 members each are established. You are using your own sound devices and controllers. Each group sets up its own network system and develop it further by playing sessions. It will be possible to play a session live at presentation day on sunday and at the define festival on saturday, 10th of november in Sønderborg/DK.

### TOPICS:

Synchronisation and controller techniques, MIDI, OSC, Ableton Link, Clock

Configuration of controllers, software and hardware

Approaches in playing electronic music live

Musical roles in a group

Each group decides, which topics are important and works with some or all off them. The knowledge can be applied to your own projects.

**HARDWARE:** Bring Your Own Device ... controllers, synths, laptop, tablet, mobile, cables, interfaces, network, headphones

**SOFTWARE:** Ableton Live or any DAW or sequencer software with the ability to synchronize to an external clock

### BIOS:

Simon Roessler from Hamburg/Germany is a musician, composer, producer and lecturer at Hochschule Flensburg. He plays live improvised electronic music and is one of the organizers of »4fakultät«, a concert series for improvised music in Hamburg.

Johannes Asbjørn Eberl Smed from Denmark is a musician, composer, producer and catalyst who choose sound as his way of expression, with focus on personality, improvisation, entity, process and exploration.

Roald Christesen from Flensburg/Germany is a musician and software developer, with special interest in electronic sound, generative methods, algorithms, physics and nature.



Left to right:  
Simon Roessler  
Johannes Asbjørn Eberl Smed  
Roald Christesen

## Registrierung

Bitte fülle den nachfolgenden Registrierungsbogen aus und sende ihn an:  
university@definefestival.com

Für Fragen vorab bitte eine Email an: university@definefestival.com

Ich möchte an folgendem  
Modul teilnehmen:

- A - Free Flow Musical Data
- B - Wearable Musical Interfaces
- C - Interactions In Playing Live

Falls das Modul bereits  
ausgebucht ist wähle ich:

- A - Free Flow Musical Data
- B - Wearable Musical Interfaces
- C - Interactions In Playing Live

- männlich
- weiblich

\_\_\_\_\_  
Vorname / Nachname

\_\_\_\_\_  
Geburtstag

\_\_\_\_\_  
PLZ / Ort

\_\_\_\_\_  
Email-Adresse

\_\_\_\_\_  
Wenn studierend: Hochschule/Institut/Fachrichtung oder falls vorhanden, andere Ausbildung oder Einrichtung

Ich spiele folgende Instrumente: \_\_\_\_\_

Ich bringe einen Laptop sowie Kopfhörer mit

Ich bringe folgende Instrumente mit: \_\_\_\_\_

Ich esse:  vegetarisch  vegan  gemischt Allergien: \_\_\_\_\_

Bemerkungen: \_\_\_\_\_

\_\_\_\_\_  
Ort / Datum

\_\_\_\_\_  
Unterschrift

## Tilmelding

Udfyld denne formular og send den til: [university@definefestival.com](mailto:university@definefestival.com)  
Hvis du er usikker på noget eller ønsker at vide mere: [university@definefestival.com](mailto:university@definefestival.com)

Jeg ønsker at deltage i modul ...

- A - Free Flow Musical Data
- B - Wearable Musical Interfaces
- C - Interactions In Playing Live

Såfremt det ikke er muligt, vælger jeg ...

- A - Free Flow Musical Data
- B - Wearable Musical Interfaces
- C - Interactions In Playing Live

\_\_\_\_\_

Fornavn / efternavn

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Fødselsdato

- mand
- kvinde

\_\_\_\_\_

Postnr. / by

\_\_\_\_\_

Email-adresse

\_\_\_\_\_

Lærestalt eller relation til skole, undervisning eller lignende

Jeg spiller følgende instrumenter:: \_\_\_\_\_

Jeg medbringer bærbar computer og hovedtelefoner

Jeg medbringer Instrumenter: \_\_\_\_\_

Jeg spiser:  vegetarisk  vegan  blandet Allergier: \_\_\_\_\_

Bemærkninger:: \_\_\_\_\_

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Sted / dato

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Underskrift