SENSOR LAB

POWERED BY
CLEVER°FRANKE

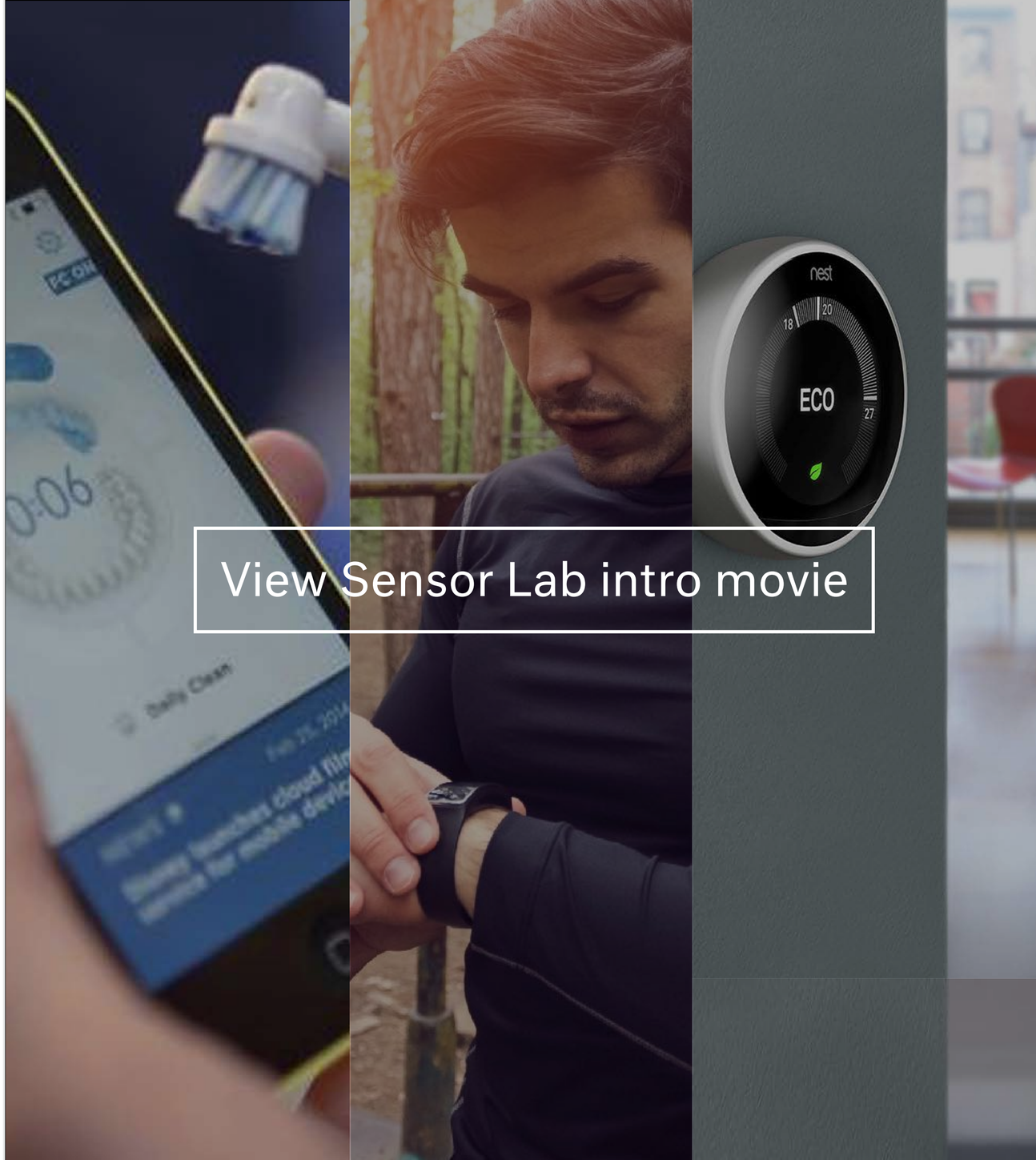
WORKSHOP:

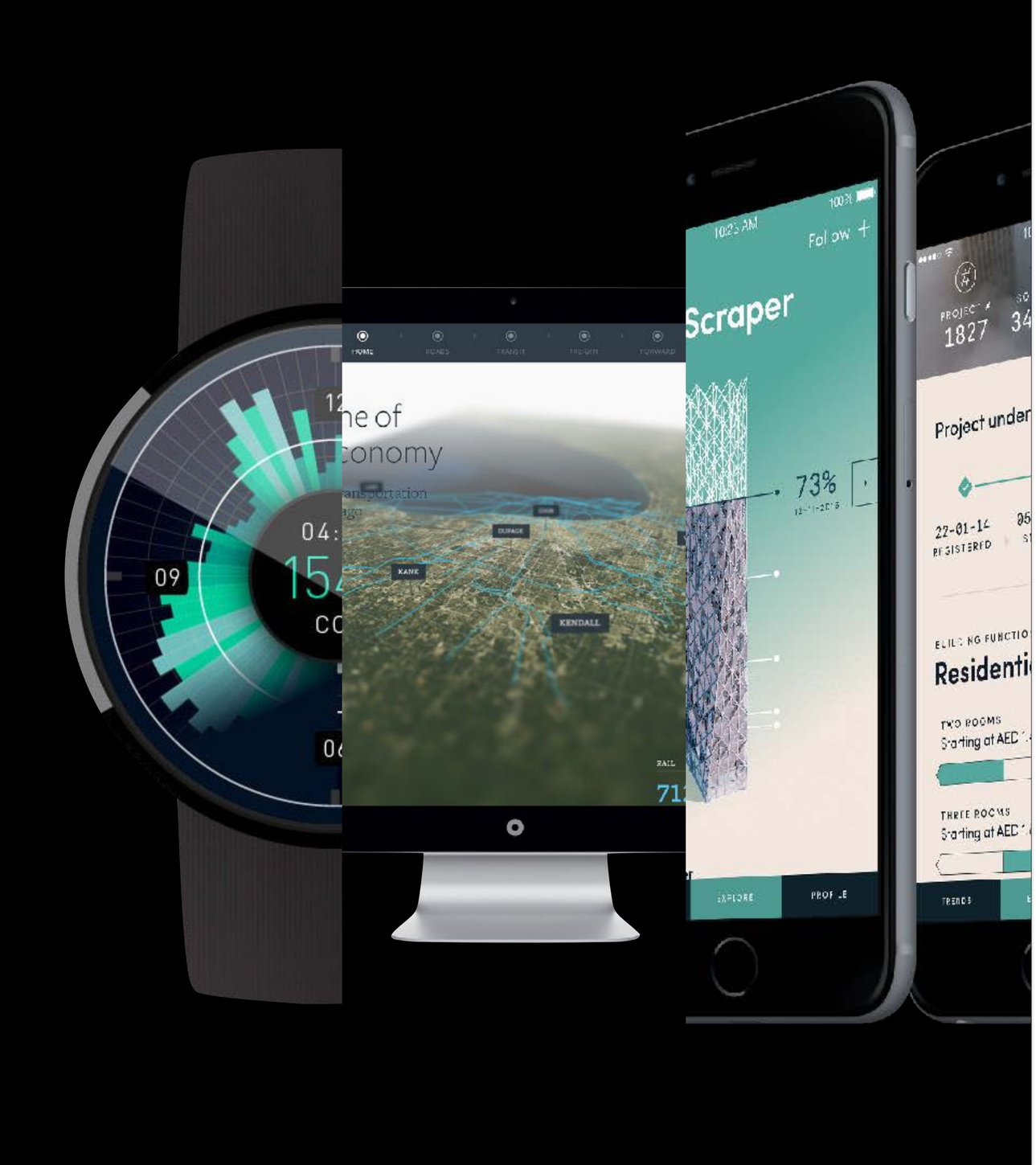
FROM SIGNAL TO VISUAL

SENSOR LAB BACKGROUND

Smart Technology has become ubiquitous; it is integrated into our everyday lives and our experiences are increasingly shaped by data. But creating new solutions is complex and time consuming.

Developing these ideas demands a perpetually dynamic attitude towards design, technology and project management.





SENSOR LAB GOAL

Sensor Lab is a place where designers, artists, developers and students are continuously discovering and creating new solutions in the world of data, hardware and sensors.

FOUNDING PARTNER

The Sensor Lab foundation is an initiative powered by CLEVER°FRANKE, a design agency for interactive data visualization that combines strategy, design and technology to create data driven tools and experiences that enable change.

THE WORKSHOP

Our workshop ‘**From signal to visual**’ is an engaging way to introduce participants to the power of sensor technology and data visualization.

Using a number of sensors, we aim to illustrate the importance of sensor technology, what can be achieved with the technology and the potential for different, practical applications to solve everyday problems.

SPECIFICATIONS

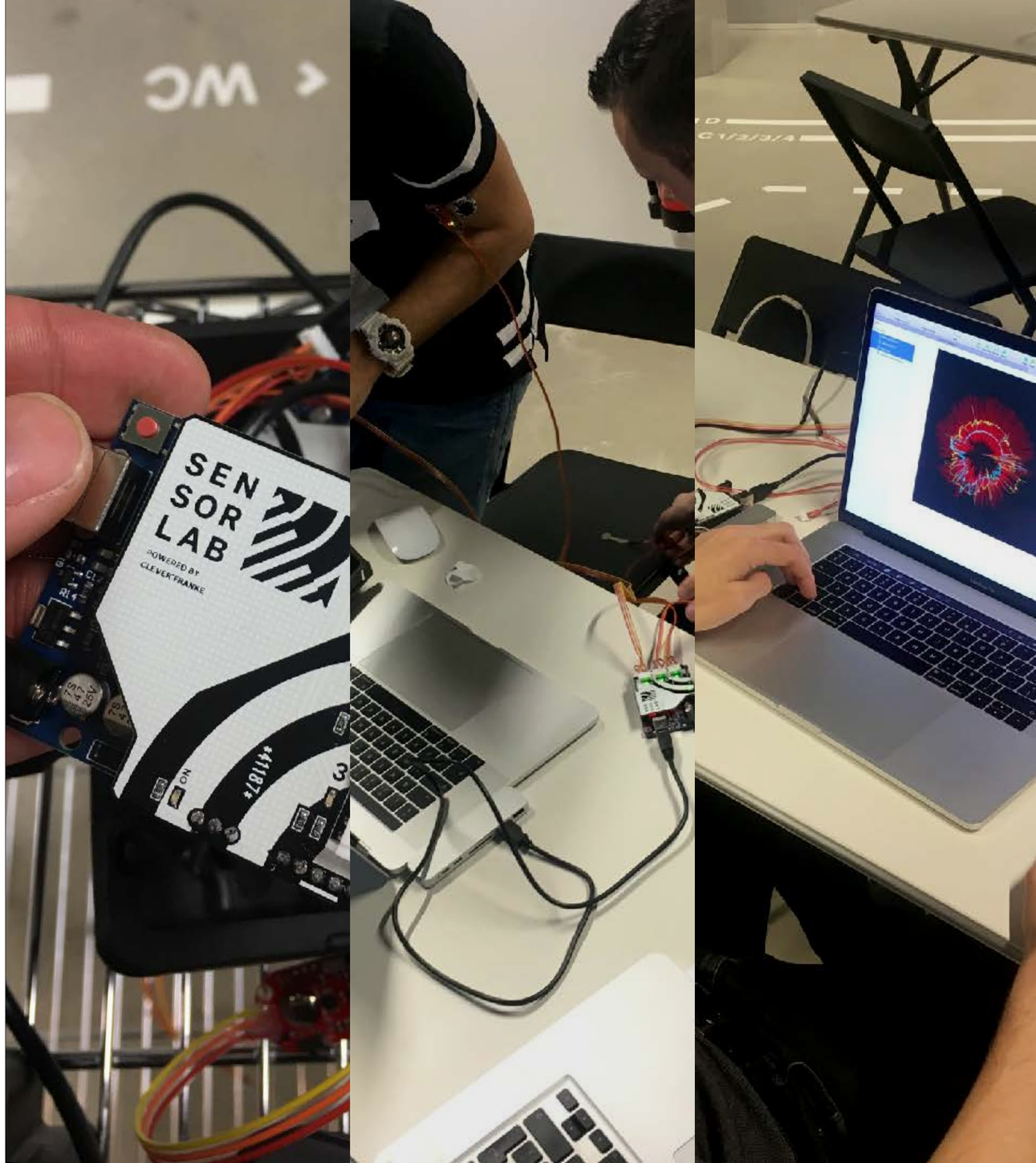
Duration	3 hours (+drinks afterwards)
Amount of participants	10 – 20 people
Introduction and closing by **Workshop guidance by**	Gert Franke Sam Verkoelen
Location	Plompetorengracht 4, Utrecht
Catering	Coffee & tea during event, afterwards there will be drinks
Requirements	Participants are required to bring their own laptops. No previous experience or knowledge of sensor technology is required to participate in this workshop.
Desired	Some basic knowledge of programming (Java) and experience with data visualization is helpful.

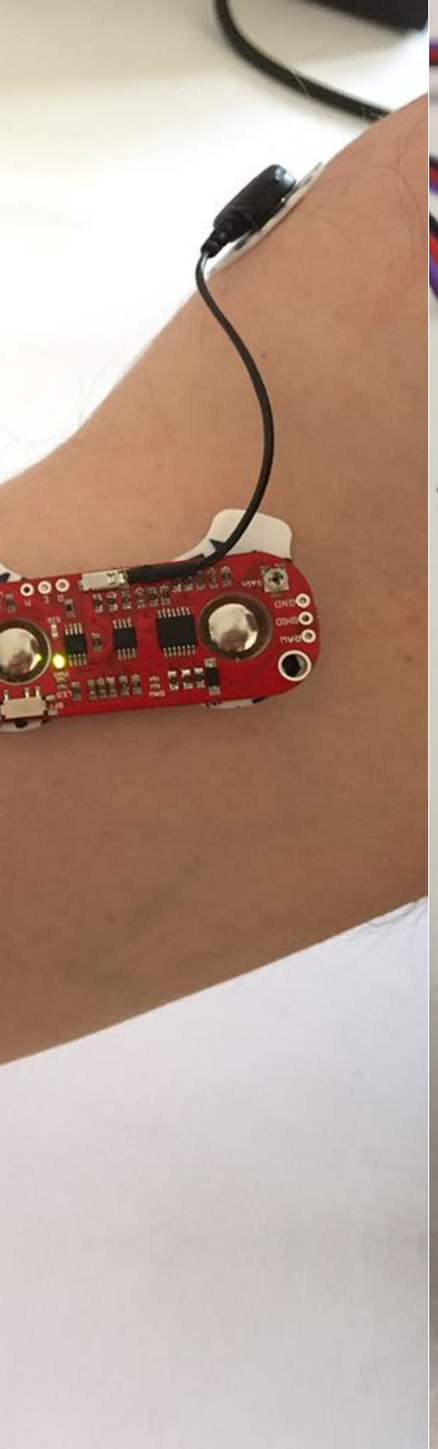
WHAT TO EXPECT

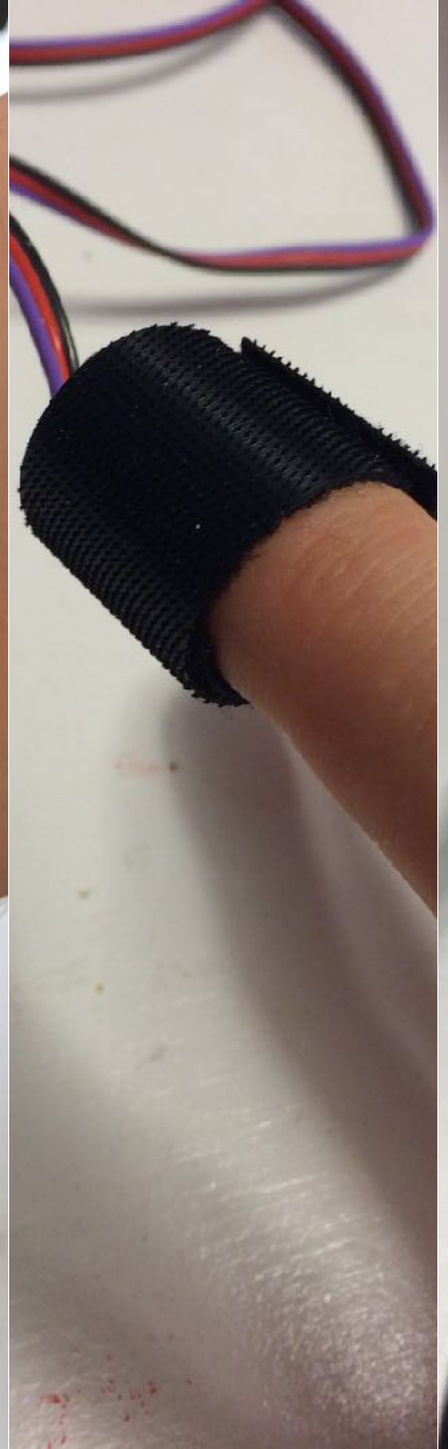
We open our workshop with an introduction to sensor technology and why it holds such importance.

We then invite participants to form groups and think up ideas for a project.

Over the course of the workshop, they will select a single concept which they will develop further to a working prototype.







WHAT YOU WILL WORK WITH

Participants will have the opportunity to work with a number of different sensors to develop their ideas. For instance sensors that measure heart rate, muscle activity, sound volume, bending or force.

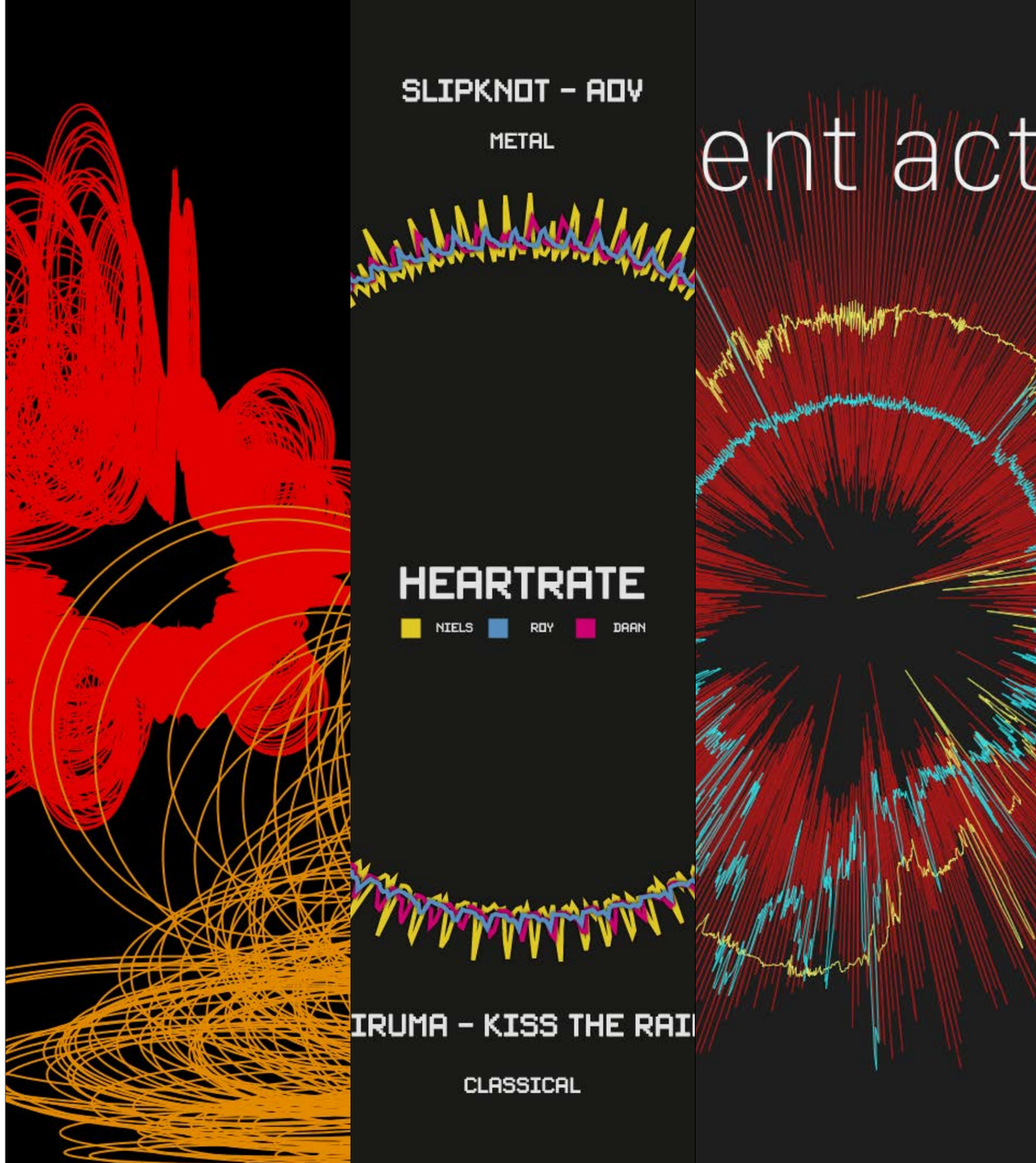
They will be connected to a Arduino board through which the participants can control the sensors.

WHAT YOU WILL PRODUCE

Data visualization is an important tool to illustrate and explain data, which can often be abstract. At the end of the workshop, each team will have produced a draft visualization based on the sensor data from their project.

A few teams will be asked to present their projects to the group, demonstrating the application in use and explaining their concept. We will together think about how you could itterate on this first idea.

Afterwards there will be drinks so that everyone can share their results and talk about their ideas.



TIMETABLE OF WORKSHOP

1 **Introduction**
Start – 00:30 (30 min)

2 **Connect sensor**
0:30 – 00:45 (15 min)

3 **Brainstorm 1**
0:45 – 1:00 (15 min)

4 **Break**
1:00 – 1:10 (10 min)

5 **About dataviz**
1:10 – 1:30 (20 min)

6 **Brainstorm 2**
1:30 – 1:35 (5 min)

7 **Choose one idea**
1:35 – 1:40 (5 min)

8 **Create**
1:40 – 2:40 (60 min)

9 **Final words**
2:40 – 2:55 (15 min)

10 **Drinks**
2:55 – ...

CONTACT

For more information and to book a workshop please contact:

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