## A Maker's World: Getting hands-on with Arduino and Wearables

**Instructor**: Natalia Baklitskaya (natalia.baklitskaya@gmail.com)

Welcome to the Maker's World workshop, a 1-hour session in which you will get to familiarize yourself with some of the microcontrollers used for assembling embedded electronic circuits, as well as platforms used for wearables.

### Schedule

**12:00 - 12:15**

Workshop goals and Introduction to Arduino

**12:15 – 12:25**

Part I - A Maker's World: Arduino Uno

**12:25 – 12:35**

Introduction to wearables, Arduino Gemma and NeoPixels

**12:35 – 12:55**

Part II – A Maker's World: Wearables with Arduino Gemma

**12:55 – 1:00**

Wrap up and questions

In Part I of this workshop, you will be working with an Arduino Uno. You will be guided to complete a few wiring steps for an assembled project, and to add a few lines of code to program Arduino Uno to get the project working.

Please use Packet 1 (**A Maker's World: Arduino Uno**) to continue to Part I.

In Part II of this workshop, you will be working with an Arduino Gemma. You will be guided to attach this wearable, washable, miniature microcontroller to a tester circuit, and to modify default code to program Arduino Gemma to get the wearable example circuit working.

Please use Packet 2 (**A Maker's World: Wearables with Arduino Gemma**) to continue to Part II.

*Workshop materials created by Natalia Baklitskaya (Natalia.Baklitskaya@gmail.com - ElectroNat Wearables).*
*Updated workshop materials can be found here: https://github.com/electronat*