

Atos Breakout session
11 09 2019 – 10.00

IOT with APIs and Arduino

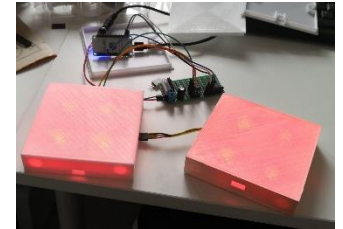
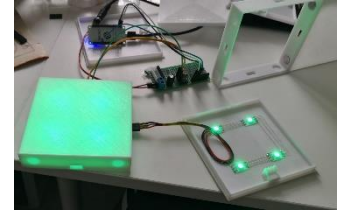
Michael Rodenbücher



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Abstract:

- ▶ IOT arrived at home. During the last years the possibility to create your own IOT devices has increased dramatically. Due to projects like Arduino even pupil are able to create their own little devices and learn how to measure data like humidity or temperature or control LEDs with just a few lines of code and cheap hardware.
- ▶ Combining this with end user ready technologies like 3D printing allows for amazing projects and extend the digital world with real life hardware devices.
- ▶ Everybody is talking about innovation and for me innovation starts with the creative process to create something completely new and see what happens. Using these new technologies that combine the real world with the digital one can lead to interesting new perspectives.
- ▶ While these projects are not industry related they can easily become by using public available APIs and interfaces of our products. In this session I want to demonstrate how you can build an independent hardware device at the cost of not more than 5 Euros to modify the data of the Circuit system (change your presence state / start a call). The session is a live coding demo to show how easy it is to create such kind of software for every developer and interested person by using an Arduino compatible Microcontroller and the Circuit programming interface. Finally this leads to self-made devices like the embrava one we are integrated into Circuit that can be created by everybody out there on their own.



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