

## Participants **e**lectronica Fast Forward powered by Elektor

category	Titel	Description
Idea	Valcun	Safe Low Cost Desktop Metal 3D Printer
Idea	Gradient Based Detector	Continuous indication of the time changing signal levels by detecting of the gradient of signal level change
Idea	LazyPad	Powerbank with thermal energy harvesting as a social project for children and schoolkids
Idea	BARISTORS	Barrier-Resistor Elements are intended to separate the signals whose amplitude is above a predetermined threshold value
Idea	#3	Hardware password safe at the size of a USB-thumb-drive
Idea	Prototype PCB for circuits with SMD	Prototyping boards for projects that use SMD components
Idea	KEWAZO	Swarm robotics automation systems for the scaffolding industry
Prototype	PCA - Protect Children and Animals	Raspberry Pi system that saves lives of children and animals left alone in cars
Prototype	ColorTheWorld23	Magical colored lamp that adopts the color of a piece of paper and shares it to the IoT
Prototype	Every drop counts	A wifi water-meter for less than 100 EUROS that saves water and detects leaks
Prototype	C-THERMAL	Smart thermal imaging gadget
Prototype	μOLDA	Small online data analyzer for hard real-time measurement
Prototype	BIO-LIGHT	A plant can control the color of an RGB-LED and so, we can measure the mood of the plant
Prototype	MTEnerGy	Energy monitoring system for the IoT
Prototype	2.1 channel surround sound	A novel surround sound format for home cinemas
Prototype	GoNotify - IoT for everyone	Wifi-enabled IoT development board
Prototype	Wireless Thermopad	IR-Thermopad with wireless data transmission for thermoimaging in medical and technical applications
Prototype	NWATCH	Smartwatch development kit
Prototype	BUCIOR	A two-function device for removing weeds and steam floor cleaning
Prototype	SeeMe Video Conferencing	Gateway for IP video conferencing over ISDN
Prototype	BR_02 autonomous mobile robot platform	This robot can deliver things and transport people
Prototype	nevisq	Baseboards for intelligent fall prevention and detection with the help of artificial intelligence
Prototype	Mexdulon	32 different tetra-boards for basic and advanced digital circuits
Prototype	MOWEA	Modular pico-wind-energy system that delivers reliable, clean and cost-efficient energy for off-grid areas
Start-up	Spinal HDL Papon	Open-source hardware description language for digital hardware designs
Start-up	Impedance Analyzer	Low-cost, small-size USB hardware that measures impedance over a certain frequency range
Start-up	Surreal industries Mobile Music Boxes	Loudest mobile speaker boxes with the best sound quality with customized designs
Start-up	eCozy	Premium connected radiator valve thermostats
Start-up	sensefinity	SaaS for End-2-End Pro-Active Management with pre-integrated hardware and global communication services
Start-up	sewio	Fully Scalable Platform for precise movement digitization and real-time visualization for Industry 4.0, retail and sports
Start-up	EMSPROTO	Rapid PCB assembly for the electronics designer
Start-up	EVVOS	Battery powered wireless vibration analysis
Start-up	Simulics GmbH	Full system simulation and debugging tools with reverse debugger
Start-up	Egeon Technology	Hardware Security for IoT devices
Start-up	BotFactory Squink	Desktop PCB Printer with silver nanoparticle ink and pick-and-place machine