

- OCTOBER - 2018 -
FRIDAY 26 / SATURDAY 27 / SUNDAY 28

Maker Faire® Bilbao

TECHNOLOGY IS THE NEW ROCK'N ROLL

ESPACIO OPEN
ANTIGUA FÁBRICA DE GALLETAS DE BILBAO
(FÁBRICA ARTIACH)



ACTIVITIES DURING THE DAY

Silo-Bistró & Jardín Secreto

Open non-stop. All variety of flavors in our menu of pintxos and barbecue... just by the river!

Zona Electrónica. Jamonero.

Discover the creative potential of electronics and learn to solder.

Infopoint - Acceso
Information and entry point of the Maker Faire.

Registration to the workshops.

Workshops with limited places, pre-registration is necessary
Registration point is Infopoint.

FRIDAY 26

17:00 OPENING

BIOOK.ORG and DIYbio Bilbao present: "Biology is the new Digital"

Ivan Larrauri. Jamonero. Know the DIYbio movement: projects, philosophy and launch of DIYbio Bilbao.

Workshop Raspberry Pi Jam.

Svet Ivantchev. Zona Electrónica. Learn to use one of the makers' favorite tools. If you have a Raspberry Pi bring it.

Learn to build your first geodesic dome.

Domo Experience. Workshop. Zona Kids Gazteak. Jamonero.

Silk-screen printing in movement.

Torontile. Travelling workshop. Create your own silk-screen printed Maker Faire.

17:30

Turn your robot's eyes on!

Espacio Open workshop. Zona Kids Gazteak. Jamonero.

The emblem of the Maker Faire is this little robot that lights up. All ages.

Lidar: Landscape and Postlenticular Graphic.

Demonstration. Jardín Secreto/Silo. Approximation to 3D LIDAR technology work and its graphic applications workshop. Jabier Villarreal, Unai Requejo, Izaskun Álvarez Gainza.

17:45

Food Computer and Hangprinter.

Victor Barahona. Zona Conferencias. Jamonero.

How to make your own giant, homemade and low cost 3D printer.

18:15

Enjoy learning. Initiative inspire engineering.

College of Industrial Engineers of Bizkaia. Kid's Kit-Car. Zona Conferencias. Jamonero.

18:30

Make your own firefly lamp!

Espacio Open workshop. Zona Kids Gazteak. Jamonero.

A battery, a led and a switch. Simply magic. Children workshop (4-8 years)

Coffee Cup Challenge.

Transfolab BCN workshop. Fab Lab Bilbao area. Jamonero.

Recycle! Learn to build furniture from a cup of coffee.

19:00

Make your own VR headset!

Espacio Open Workshop. Zona Kids-Gazteak.

Turn your phone into a door to the future. Workshop for children (from 6 years old).

The things Network.

Rafa Martínez. Zona conferencias. Jamonero. A free, open, decentralized and global network for Internet of Things.

19:30

VideoMapping-DJ Session.

Hibernando Estudio. Jardín Secreto/Silo.

20:00 CLOSING.

Silo & Bistro and Jardín Secreto will still remain open.

SATURDAY 27

11:00 OPENING

Recycling System For 3d Printing

"Ouroboros"

Joan Cullere. Zona Conferencias. Jamonero.

Workshop Raspberry Pi Jam.

Svet Ivantchev. Zona Electrónica. Learn to use one of the makers' favorite tools. If you have a Raspberry Pi bring it.

Woodwork for children

Ziriak Ebanistería Workshop. Ziriak Ebanistería. Galería.

11:30

Plastic Smoothie.

Workshop. Zona Fab Lab Bilbao. Jamonero.

Turn your robot's eyes on!

Espacio Open workshop. Zona Kids Gazteak. Jamonero. The emblem of the Maker Faire is this little robot that lights up. All ages.

11:45

La Milla Productiva Maker tools for citizen's participation.

Lina Mónaco. Zona Conferencias. Jamonero. A citizen mapping proposal in order to make citizens aware of the main environmental issues.

12:00

Make your own firefly lamp!

Espacio Open workshop. Zona Kids Gazteak. Jamonero. A battery, a led and a switch. Simply magic. Children workshop (4-8 years)

Build your own slingshot.

15€ workshop. Zona Kids Gazteak. Jamonero.

Bioarte: Taller Loreak Sortzen.

BIOOKTaller. Zona Fab Lab Bilbao. Jamonero. In this bioart workshop we will create flowers from flowers. We will learn about botany, environment, art and photo.

12:30

Make your own VR headset!

Espacio Open Workshop. Zona Kids-Gazteak. Turn your phone into a door to the future. Workshop for children (from 6 years old).

Burning Man.

Meghan Rutigliano, Burning Man. Zona conferencias. The largest outdoor art festival in the world and its regional events.

13:00

Customize your t-shirt with a vinyl-cutter.

Fab Lab San Cugat. Taller. Fab Lab Bilbao Zone. Jamonero. Workshop of personalization of your shirts with the vinyl cutter.

13:15

Hacking prejudices.

Cristina Aranda & Sara Alvarelos, Mujeres Tech. Zona Conferencias. Jamonero

14:00

From Maker to maker pro:

Pablo Núñez. Zona Conferencias. Jamonero. A personal history made in Leon.

14:30

Application and digital manufacturing to modeling.

Adrián Torres. Zona conferencias. Jamonero.

15:30

Maker Challenge

Fab Lab San Cugat. Zona Conferencias. Jamonero. Social innovation contest for young people.

16:00

Neuroscience: Experimental demonstration.

BIOOK Ricardo Mutuberria. Zona Conferencias. Jamonero. Observe neuronal activity on a mobile phone, computer or tablet.

Turn your robot's eyes on!

Espacio Open workshop. Zona Kids Gazteak. Jamonero.

The emblem of the Maker Faire is this little robot that lights up. All ages.

16:30

Laser cutting for Makers.

PensActius. Workshop. Fab Lab Bilbao Zone. Jamonero.

Drawdio.

Taller. Zona Electrónica. Jamonero.

A bizarre pencil that turns your drawings into sounds.

Make your own firefly lamp!

Espacio Open workshop. Zona Kids Gazteak. Jamonero

A battery, a led and a switch. Simply magic. Children workshop (4-8 years)

Hebocon.

Workshop. Zona Kids-gazteak. Jamonero.

Maybe, the most stupid robot championship in the world. Everyone can participate in the Hebocon, so bring your broken toy!

17:00

Woman's viewpoint

Woman's area. Zona conferencias. Jamonero. Entrepreneurship from a gender perspective.

Make your own VR headset!

Espacio Open Workshop. Zona Kids-Gazteak. Turn your phone into a door to the future. Workshop for children (from 6 years old).

17:45

Distributed Design Market Platform.

Zona conferencias. Jamonero. European project to encourage the development and recognition of an emerging european culture of creators.

18:00

Lightplay.

Workshop. Zona Kids-Gazteak. Jamonero. We will create a multicolored collaborative window with daily materials.

18:30

Open Maker - Industry Makers, Open Source and innovation. Zona Conferencias. Jamonero.

Coffee Cup Challenge.

Transfolab BCN workshop. Fab Lab Bilbao area. Jamonero. Recycle! Learn to build furniture from a cup of coffee.

Biotic games 1.1.

BIOOK. Workshop. Zona electrónica. Jamonero.

Fabrication of Microscopes and Exploration of the Microscopic World.

20:00 CLOSING EXPO ZONE

20:15 BINGO MAKER at

Silo&Bistro and Jardín Secreto, which

will still remain open.

SUNDAY 28

11:00 OPENING

Culture Maker in a software SME:

tinkering in the real world.

Javier Infante. Irontec. Zona Conferencias. Jamonero.

Build your own slingshot.

15€ workshop. Zona Kids Gazteak. Jamonero.

11:30

Turn your robot's eyes on!

Espacio Open workshop. Zona Kids Gazteak. Jamonero.

The emblem of the Maker Faire is this little robot that lights up. All ages.

Drawdio.

Taller. Zona Electrónica. Jamonero.

A bizarre pencil that turns your drawings into sounds.

Hebocon.

Workshop. Zona Kids-gazteak. Jamonero.

Maybe, the most stupid robot championship in the world. Everyone can participate in the Hebocon, so bring your broken toy!

Bioarte: Taller Loreak Sortzen.

BIOOKTaller. Zona Fab Lab Bilbao. Jamonero.

In this bioart workshop we will create flowers from flowers. We will learn about botany, the environment, art and photography.

11:45

Asturias Maker World.

Makers Asturias. Zona Conferencias.

12:00

Make your own firefly lamp!

Espacio Open workshop. Zona Kids Gazteak. Jamonero

A battery, a led and a switch. Simply magic. Children workshop (4-8 years)

Introduction to FPGA with IceStudio

and VGA graphics. Matt Venn. Workshop. Zona Electrónica. Jamonero.

12:30

Shamballa, the 3D printed city.

Gianluca Plugiese. WASP 3D. Zona Conferencias. Jamonero.

Make your own VR headset!

Espacio Open Workshop. Zona Kids-Gazteak.

Turn your phone into a door to the future. Workshop for children (from 6 years old).

13:00

Customize your t-shirt with a vinyl-cutter.

Fab Lab San Cugat. Taller. Fab Lab Bilbao Zone. Jamonero.

Workshop of personalization of your shirts with the vinyl cutter.

13:15

Maker movement and the future of this work.

Cesar García. Zona Conferencias. Jamonero.

14:00

Hots Materikoak.

Martin Etxauri. Txo!?. Zona Conferencias. Jamonero. Project that turns natural materials and urban waste into techno-sound.

14:30

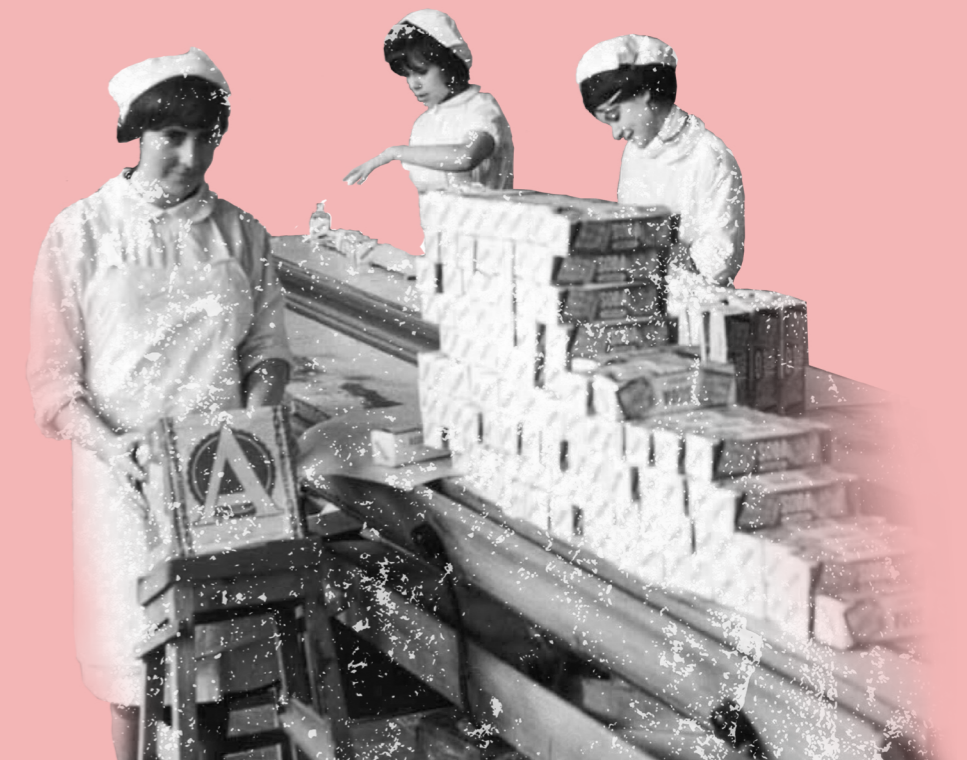
Hebocon, Dumb Robots

Championship. FINAL.

Workshop. Zona Kids-gazteak. Jamonero.

15:00 CLOSING

Silo&Bistro y Jardín Secreto will still remain open.



¿Qué es Espacio Open?

Trabajamos en la intersección entre cultura contemporánea, tecnología y cuestiones sociales. Espacio Open es el lugar más visitado de la isla creativa de Ribera de Deusto - Zorrozaurre, con más de 110.000 personas al año en nuestras instalaciones en la Antigua Fábrica de Galletas Artiach, un emblemático edificio que hizo durante décadas las mejores galletas del norte.

Nuestros 2.000 metros cuadrados de instalaciones albergan el mercado de economía circular Open Your Ganbara, el festival de tecnologías creativas Maker Faire Bilbao y la escuela de tecnología Fab Lab Bilbao. Nos gusta preservar el pasado, prototipar el futuro y disfrutar del presente. Bienvenidos a la Fábrica de Galletas.

What is Espacio Open?

We work in the intersection between contemporary culture, technologies and social issues. Espacio Open is the most visited place in the creative island of Ribera de Deusto - Zorrozaurre, with more than 110.000 persons a year in this building, the Bilbao Old Cookie Factory, in the emblematic space that used to make the best cookies up north.

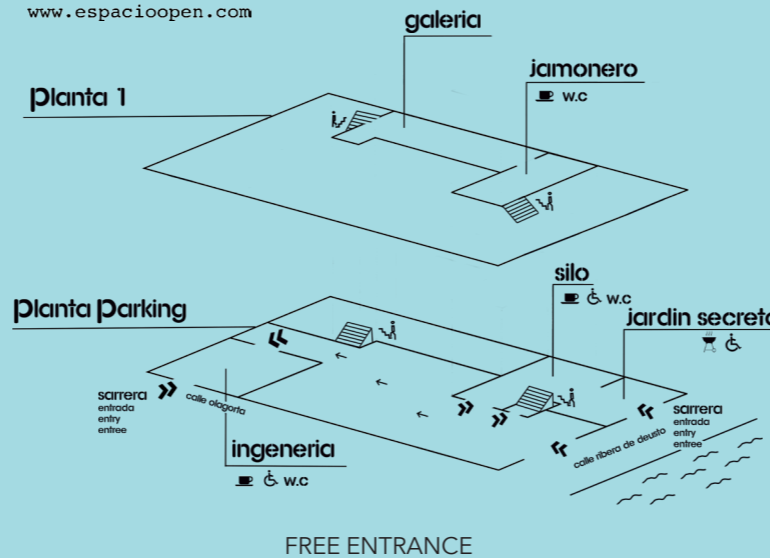
Our 2.000 square meters of installations hosts the Circular Economy market Open Your Ganbara, the DIY technologies festival Maker Faire Bilbao and the tech school Fab Lab Bilbao. We like to preserve the past, prototype the future and enjoy the present. Welcome to the Cookie Factory.



www.espacioopen.com

espacio open

www.espacioopen.com



¿Qué es MAKER FAIRE?

Maker Faire Bilbao es el Festival anual de Tecnologías Creativas que congrega en un fin de semana exhibiciones, talleres y conferencias de algunos de los mejores tecnólogos del mundo que comparten la filosofía Do It Yourself y la innovación abierta. Durante todo el fin de semana podrás encontrar conferencias, talleres, intervenciones y exhibiciones. Actividades en interior y exterior, con zona ajardinada y zona de restaurante y barbacoa family friendly. El evento engloba todo tipo de proyectos de base tecnológica, tanto hi-tech como low-tech en un ambiente apto para todos los públicos. ¡Bienvenidos al futuro!

What is MAKER FAIRE?

Maker Faire Bilbao is a creative technologies festival with exhibitions, workshops and talks by the best technologists in the world that share the DIY and open innovation spirit. During one special weekend, you will find all types of hightech and lowtech projects that celebrate invention and resourcefulness. Indoor and outdoor activities, with a garden area, restaurant zone and family friendly BBQ. We call it the greatest Show and Tell on Earth. Welcome to the future!

+info: www.bilbao.makerfaire.com

Organiza:



Patrocina:



Colabora:

PONENTES Y MAKERS

WASP 3D. Giant 3D Printers that make anything you can imagine, from chair to guitars, bass guitars or batteries.

Agustin Flowalistik. Author of some of the most downloaded designs for 3D printers. He likes design and making. He also has a cat.

Cesar García. Co-founder Makespace Madrid, president of CREFAB (Spanish network of creation and digital manufacturing). He will talk about the future of makerjobs

FP Don Bosco. Professional Training Center located in Rentería that incorporates open projects and maker tools in its programs.

Augmented Interaction. We develop new interaction techniques based on augmented reality. Bilbao

Fum Blau SCV. Entity established in Autonomous Community of Valencia which offers prototyping services, product development and tech consultancy.

Kanèsis | Hemprinted. A start-up that develops sustainable bio-plastics materials, looking for useful and natural resources to reach new levels of sustainability.

Fab Lab Santander. Fablab located in Santander, where it has a local with 100m³. Independent and funded by its own partners.

Domo Experiencia. We manufacture and install geodesic domes. We value ethics and professionalism.

MujeresTech y Aliados. A non-profit organization that seeks to achieve a greater female presence in the telecom and digital sector and get male allies to achieve it together.

Transcripción 3.0. Group made up of Andrea Moreno Orts, multidisciplinary artist, and Emilio Cordero Checa, creative technician familiar with lighting, sound and music production. Bilbao.

Fab Lab Bilbao. Laboratory of Creation and Digital Manufacturing of Espacio Open and Maker Faire Bilbao's organizer.

Fab Lab León. TMA's (non-profit organization) project, founded by the family company Telice.

Asociación Kid's Kitcar - Greenpower Iberia. Association created in UK that promotes creativity, design and new technologies building racing cars powered by electric motor.

Lina Mónaco. Architect focused on sustainable architecture of public spaces with participative design. As a maker, she develops projects for technological empowerment and environmental awareness in HarineraZgz.

TicrThing Inventors, hackers and designers engaged in the ecosystem of cryptocurrencies.

Bilbao Dynamics. Non-profit organization composed of engineers and students of Telecommunications Engineering of the UPV / EHU.

SRJ: Group formed by 4 students of UNIZAR that during the last years has developed different projects, highlighting their projects of 3D printing. Zaragoza.

Makers Asturias. Association created in order to spread the possibilities of the free knowledge society, focused on culture, craftwork, design, science and technology.

Matt Venn. Electronic engineer and British educator, resident in Valencia, now experimenting with FPGA.

Transfolab BCN. Shared space for makers, architects, designers and enthusiasts with an interest in innovation, production and experimentation with waste.

3R3D: Manufacturing company which makes threads for 3D printers from waste and recycled items. Irún.

Eolas Prints: Cantabrian manufacturing company that makes PLA consumables for 3D printers.

Growa. Italian and innovative company specialized in agricultural automation, looking for solutions joining productivity performance and ecology.

Raspberry Jam Bilbao. They allow Raspberry Pi users with no previous experience to share projects and knowledge. A project of Code is Fun! by Efaber.

Joan Culleré. Mechanical engineer and inventor interested in mechanical design looking to resolve real life problems. Barcelona.

Vassil Tzanov: Autonomous is a scientific project that seeks to generate solar energy for delivery. The prototype is an electric vehicle with solar panels. Bulgaria.

Mahor Muñiz. An industrial designer with a desire to experiment with the potential of technology and its possible applications for the environment. Also a 3D printing ninja making its own hardware. León.

Burning Man. Meghan Ruthigliano. Burning Man is a city in the desert, a culture of possibility and a global cultural movement. Meghan is Associate Director for the Worldwide Regional Network.

The Gnomom Living Capsule. Jesús Díez Modelling of the Nautilus shell with mathematical software and parts made by CNC in order to build a prototype on a real scale. Alcalá de Henares.

3D Egin: Company created in Bilbao in 2014. It is focus on 3D printing on demand, sales of 3D equipment, consumables and everything related to 3D printing.

FabLab San Cugat. Digital manufacturing and exchange center.

PensActius. Experimental space, in which people can develop their creativity and strengthen their talents through technological workshops. Manresa.

The Things Network. A free, open, decentralized and global network. Trying to create a global Internet of Thing (IoT) between everyone and for everyone. Bilbao.

Andres Koop. Founder of the Fablab Erfindergarden "The clandestine education of the big brother". Munich.

Lauren Aliende. Professor at the School of Arts and Crafts in Vitoria-Gasteiz. Passionate about digital manufacturing and traditional techniques, he combines 3D printing techniques and the art of printing.

WOMANSAREA. Space for training, networking and inspiration for enterprising women. Tolosa.

DeustoTech-Societal Challenges. It carries out investigations applied to advanced interaction between humans and the environment. Bilbao.

Ferrán Fábregas. Computer engineer and programmer, who has developed a transversal knowledge in different disciplines of digital manufacturing, art, electronics, robotics and microcontrollers. Barcelona.

Txo!? Artist who works with new sources mixing art and technology.

Victor Barahona. He develops open hardware projects useful for social innovation, such as the AR Sandbox or the Food Computer, a smart greenhouse developed by MIT.

3D Egin. Company created in Bilbao in 2014. It is focus on 3D printing on demand, sales of 3D equipment, consumables and everything related to 3D printing.

L'ESTUDIO. Studio of creation and craftwork focused on the design of products and spaces. Bilbao-Paris.

Hibernando Estudio. Creative solutions for [almost] everything. Bilbao.

Green Divisor. Separating walls made of 3D printed jardiniere by Abad and Loitz Cerámica, developed in the OpenMaker program and financed by the EU. Getxo.

3D Impact SCA Cooperativa whose corporate purpose is to use 3D printing technologies for social inclusion and environmental protection.

Juxound. Project carried out, from its programming to its aesthetic form, for the Deusto Maker Contest.

CREFAB. Spanish network of creation and digital manufacturing. An association that promotes these technologies of digital creation.

Koldo Santiesteban. Maker, creator, experimenter and specially, father. Bilbao.

Errealkubo We are an artistic workshop studio in which we create objects and complements mostly from waste material.

C4 Lab. Multimedia space where different processes are developed for the advancement of projects at the Faculty of Fine Arts, University of the Basque Country (UPV/EHU)

Javier Infante: Developing software at Irontec for almost 20 years. I love everything that melts the virtual world with the real world. Bilbao.

Torontile. Project of artistic silk-screen printing. Arratia

JetClay. 3D printing made out of clay project. The results are unique ceramic pieces, known as industrial design, architecture, interior design and sculpture. An OpenMaker project.

Distributed Design Market Platform. A Creative Europe project that promotes the development and recognition of the emerging European Maker and the culture of the design. Financed by the European Union.

BIOOK. Non-profit organization. Among its objectives: the implementation and development of the Do It Yourself biology (DIYbio) or do it yourself (bioHTM) biology and the creation and offer of STEAM activities. Bilbao.

My Human Kit. Association aimed at the development of health for all through the invention, exchange and production of technical aids for the disabled, achievable for and with interested persons.

OpenMaker. A EU Horizon 2020 project to take the collaboration between makers and industry to the next level.