



DEMO CENTER

Electric motorcycle for competition

Company: University of Málaga (UMA)

Stand: DM7

Level of TRL: 9

Description: Competition motorcycle prototype with similar characteristics to the competition motorcycles of the moto3 world championship. This prototype has been made within the framework of the MotoStudent project for an international competition between universities.

Speech: Wednesday 16th, 16:00 – 18:00h.



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Education software with VR

Company: University of Málaga (UMA)

Stand: DM23

Level of TRL: 9

Description: Design of experiences, Education, Citizen participation, VR.

1. Málaga Luce (Level 8): Gamified platform for citizen participation
2. EMI's room (Level 9): Interactive experience for the dissemination of female scientific figures through a VR video game and escape room format
3. Diana in front of the mirror (Level 9): Video game for the prevention of sexist violence in young people and adolescents

Speech: Wednesday 16th, 16:00 – 18:00h.



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APP to learn music

Company: University of Málaga (UMA)

Stand: DM17

Level of TRL: 9

Description:

- **Flueteacher:** Interactive app with sweet flute sound. This app, aimed at a children's audience, is focused on learning the sweet flute. Using a music editor, very simple to use, you can write the song that you will tend play with the flute. Once the song is written, you can listen to it and practice it with the flute to find out if you're doing it right or



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wrong. It will be available on AppStore and Google Play. It has been developed by the ATIC Group of the University of Malaga

- **Dalanota:** Interactive app with sung voice. The goal of this app, aimed at all kinds of audiences, is to teach the names, sound and spelling of musical notes on a pentagram. It will be available on AppStore and Google Play. It is being developed by the ATIC Group of the University of Malaga in collaboration with the video game development studio A Bonfire of Souls.

Web: [‘SolFaMe’, la app interactiva para aprendizaje musical de la UMA - University of Malaga](#)

Speech: Wednesday 16th, 16:00 – 18:00h.

New Bimodal Violin

Company: University of Málaga (UMA)

Stand: DM14

Level of TRL: 9

Description: These instruments allow the player to get the same sounds and feelings as playing a classical instrument. But also include the ability to send the sound wirelessly to a receiver that can be connected to an amplifier, a mixing console, recording systems, a signal processing system, streaming systems, etc. So, it adds all the options of an electric instrument to a classic instrument.

Web: [UMAPATENT](#)

Speech: Wednesday 16th, 16:00 – 18:00h.



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SIETTE system, automatic evaluation system for use in education

Company: University of Málaga (UMA)

Stand: DM16

Level of TRL: 9

Description: It is a web system based on artificial intelligence techniques for the automatic evaluation of a student's knowledge. Siette is a general-purpose automatic evaluation system, it is designed as a tool that evaluates the knowledge of various subjects, following a common structure.



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Web: siette.org

Speech: Wednesday 16th, 16:00 – 18:00h.

DIAS2P and StreetQR: Artificial Intelligence Devices for Smart-Cities

Company: University of Málaga (UMA)

Stand: DM18

Level of TRL: 7

Description:

- **DIAS2P** is an Intelligent device to Increase Safety at Pedestrian Crossings. Specifically, in those that do not have traffic lights, where happened most of the accidents. The device incorporates the latest computer vision techniques to identify different situations and act accordingly, warning either pedestrians or vehicles. It works at the same time as a device for capturing the vehicular and pedestrian flow of the place where it is located, transmitting remotely, in real or deferred time, sending information to the respective control centre.
- **StreetQR** is an intelligent base for street nameplates and places of interest. It is a device that, at the same time as serving as a base for street nameplates, exposes a QR code, of adequate size, so that any pedestrian can obtain the information that the corresponding city council (or other entity) has decided to put in that point of the city.

Speech: Wednesday 16th, 16:00 – 18:00h.



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5G network test lab at the Institute of Technology and Software Engineering (ITIS)

Company: University of Málaga (UMA)

Stand: DM20

Level of TRL: -

Description: The ITIS 5G network test lab goes beyond an outdoor deployment adding commercial teams and offers support tools to experimenters (companies, universities, others). The demo shows the use of these additional tools developed in several European projects and how they facilitate the evaluation of 5G, using cases without the need to know the technical details of the network, and with a high degree of automation. The remote use of the ITIS 5G network is exposed to perform the validation of some applications, obtaining values on the main performance indicators of these applications (KPIs).



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Speech: Wednesday 16th, 16:00 – 18:00h.

Telecare social robots

Company: University of Málaga (UMA)

Stand: DM26

Level of TRL: 6

Description: Researchers from the Integrated Systems Engineering Group of the School of Telecommunications at the University of Malaga have been working on social robotics for almost a decade. Recently, within the framework of the ROSI project, they have taken another step towards the creation of telepresence robots. Although improving the social interaction of the elderly in shared daily environments was the initial objective of this project, the assistance robots designed at the UMA have been provided with new functionalities to adapt to the needs of the new normality.

Web: [Un robot diseñado en la UMA permite a personas aisladas por COVID-19 hablar con sus familiares - University of Malaga](#)

Speech: Wednesday 16th, 16:00 – 18:00h.



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Intelligent electric vehicle charging platform with secure access control by BLE

Company: University of Málaga (UMA)

Stand: DM6

Level of TRL: 9

Description: Wireless charger prototype and secure electric vehicle charging management platform integrated with the UMA mobile application.

Speech: Wednesday 16th, 16:00 – 18:00h.



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MAREA Plastic, circular economy project

Company: University of Málaga (UMA)

Stand: DM25

Level of TRL: 5

Description: MAREA Plastic gives a second life to plastic waste / MAREA Plastic transforms plastic waste into new objects. All these prototypes have been manufactured using mostly



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recycled or reused parts. In this way, the project itself tries to reflect and emphasize the concept of the circular economy, transforming the community's plastic waste into new objects and extending the useful life of the material in question.

Speech: Wednesday 16th, 16:00 – 18:00h.

Kronte Gaming Analytics

Company: KRONTE

Stand: B1

Description: It is a professional network for gamers. to gamers' stats and performances to help them become professionals.

Speech: Wednesday 16th, 18:05 – 18:35h.



They give visibility

Monumentia

Company: Monumentia

Stand: B1

Description: Virtualization of heritage through 360° technology

Speech: Wednesday 16th, 18:05 – 18:35h.



OWO

Company: OWO

Stand: B1

Description: OWO's mission is to turn your virtual world into reality through the sense of touch. We have developed a haptic jacket to feel video games, making you one with your avatar. We create new and more powerful immersive experiences that allow people to feel and be part of virtual reality. Now, we can use not only the senses of sight and hearing, but also the sense of touch. OWO has created a product that allows everyone to feel what only existed in the physical dimension: different real physical sensations.

Speech: Wednesday 16th, 18:05 – 18:35h.



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CienciaVR

Company: CienciaVR. Immersive and Interactive Spaces for Education

Stand: B1

Description: It is an educational digital platform of content in Extended Reality (Virtual Reality and Augmented Reality), which provides unique immersive experiences, in customizable learning environments, integrating didactic resources for implementation in the classroom. We offer resources for the development of science and technology learning in a virtual environment.

Speech: Wednesday 16th, 18:05 – 18:35h.



Málaga Go

Company: Azafata Margot

Stand: B1

Description: Serious games company focused on the use of games and technology for the dissemination and popularization of culture and heritage. Málaga Go, the project they present is a game that proposes a look at the heritage spaces gamifying the city.

Speech: Wednesday 16th, 18:05 – 18:35h.



YNSAT

Company: Los datos satelitales en la enseñanza STEM

Stand: B1

Descripción: Trabajan en cómo la tecnología satelital puede ser una gran herramienta para aprender STEM (ciencias, matemáticas, ingeniería y tecnología) y aplican esta tecnología para hacerla accesible y útil en la educación primaria y secundaria.

Speech: Wednesday 16th, 18:05 – 18:35h.



SmartMakings

Company: Satellite data in STEM education

Stand: DM13





Level of TRL: 8

Description: Develops skills and abilities in children based on multiple intelligences.

Web: <https://smartmakings.com/>

Speech: Wednesday 16th, 18:50 – 19:00h.

Imaging device by gamma radiation and charged particle detection

Company: IFIC

Stand: DM39

Level of TRL: 4

Description: Device and method for detecting photons and charged particles thereof.

Compton camera-type detector for hadronic therapy, it also has an algorithm developed by the group for image reconstruction.

Speech: Thursday 17th, 10:00-11:00h.



Contactless ultrasound technologies

Company: ITEFI

Stand: DM28

Level of TRL: 7

Description: Transducers

Speech: Thursday 17th, 10:00-11:00h.



Neutron-Gamma Dual Imaging Camera

Company: IFIC

Stand: DM40

Level of TRL: 3

Description: It is a portable and versatile device, capable of visualizing radioactive sources emitting gamma radiation and neutrons. It uses the latest technology in photosensors and advanced information processing systems to provide precise information in real-time on the spatial location of radioactive sources.

The device may find useful applications in monitoring nuclear fuel from nuclear power plants, nuclear power plant decommissioning processes, port security, and nuclear threats. On the other hand, it can also find applications in medical facilities where accelerators are used for the





production of X-rays (>10MV), in which a significant number of neutrons are generated that contribute to the dose received by the patient and clinical staff.

Speech: Thursday 17th, 10:00-11:00h.

ShowCase Tracker. Track and analyze the effectiveness of your showcases

Company: DATISION

Stand: DM38

Level of TRL: -

Description: It is a prototype that recognizes people in front of a showcase, determinates the direction vector of the gaze and indicates which point of the showcase they are looking at.

Speech: Thursday 17th, 10:00-11:00h.



Collaborative robot for manual harvesting. The case of the grape harvest

Company: CAR

Stand: DM36

Level of TRL: 7

Description: The robot has wide mobility, which means that it is able to follow an operator and navigate autonomously indoor and outdoor environments. In this sense, the RB-VOGUI mobile robot is suitable for logistics tasks in warehouses developing activities such as picking, transporting or placing applications.

Web: <https://robotnik.eu/es/productos/robots-moviles/>

Speech: Thursday 17th, 10:00-11:00h.



Porous biodegradable air-gel

Company: IATA

Stand: DM37

Level of TRL: 5

Description: It is a very porous biodegradable air-gel highly versatile in applications and uses. Additionally, it is made with very transversal material in terms of application, It could be used in different fields related to food, energy, construction or aeronautic industry.





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Speech: Thursday 17th, 10:00-11:00h.

Optofluidic device

Company: ICMSE

Stand: DM35

Level of TRL: -

Description: Optofluidic device for monitoring parameters in liquids by NIR. A PdC project has been awarded.

Web:

https://www.icms.uscsic.es/es/proyectos?tid_1=All&tid_3=2327&tid=All&field_institucion_value=All&tid_2=All&titulo=



Aumentur

Company: Aumentur

Stand: DM3

Level of TRL: 9

Description: The smart tool for smart destinations and travellers.

Fast implementation, differentiation from other destinations, satisfactory user experience. This app gives you the opportunity of attracting and satisfy your visitors in a personalized way.

Web: <https://www.aumentur.app/>

Speech: Thursday 17th, 11:35-11:40h.

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DataCasas

Company: DataCasas

Stand: DM8

Level of TRL: 9

Description: House sale´s website

Web: <https://datacasas.com/en/home/>

Speech: Thursday 17th, 11:40-11:45h.

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datacasas
proptech





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Debit2Go transforms your business into a subscription model in 5 minutes without switching banks

Company: Debit2Go

Stand: DM9

Level of TRL: 9

Description: Debit2Go helps many businesses automate their collections. Create payment plans adapted to your business, win new customers and follow their evolution from a single platform.

Web: <https://debit2go.com/>

Speech: Thursday 17th, 11:45-11:50h.

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D2G

Dsructive

Company: Dsructive

Stand: DM10

Level of TRL: 8

Description: Smart implants are becoming an everyday tool. Already, tens of thousands of people are using subdermal implants for identification, access, payments and measuring body data around the world and yet we are only in the beginning of this development.

Web: <https://dsruptive.com/>

Speech: Thursday 17th, 11:50-11:55h.

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DSRUPTIVE

Generation of 3D models for the recreation of crime scenes and traffic accidents by smartphone on the eyesCloud3d platform

Company: eCapture

Stand: DM29

Level of TRL: 7

Description: eyesCloud3d is a cloud platform for automatically generating 3D models from photos or videos.

Web: <http://ecapturedtech.com/>

Speech: Thursday 17th, 11:55-12:00h.

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Genengine

Company: Genengine

Stand: DM30

Level of TRL: 8

Description: We help health professionals in making decisions regarding genetically based diseases. We facilitate complex diagnoses and therapeutic approaches.

We digitize and optimize processes that allow health services to profitably implement a personalizer and preciser medicine.

Web: <https://genengine.es/>

Speech: Thursday 17th, 12:00-12:05h.

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Bioconstruction, the future

Company: Habitabio

Stand: DM27

Level of TRL: -

Description: Architectural design thinking about your health and the planet's wellness. We help you to reform, build or modify the spaces to inhabit in a conscious, healthy and ecological way

Web: <https://habitabio.com/>

Speech: Thursday 17th, 12:05-12:10h.



Legal Automation

Company: Legal Innovation

Stand: DM4

Level of TRL: -

Description: Legal Innovation Technology offers a complete range of technological services for the Legal Sector.

Web: <http://legal-innovation.com/>

Speech: Thursday 17th, 12:10-12:15h.

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Logistiko

Company: Logistiko

Stand: DM5

Level of TRL: 9

Description: We optimize based on delivery times, the number of vehicles, real-time traffic, priority customers and more thanks to our technology. With Logístiko you will automate and simplify all logistics processes. In a single software, you will have all your data and you will be able to dedicate yourself to more important things.

Web: <https://logistiko.es/funcionalidades/>

Speech: Thursday 17th, 12:15-12:20h.

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Key copying machine through an app

Company: Mykeys

Stand: DM2

Level of TRL: 8

Description: To save, manage and locate the nearest locksmith to make your key copy without taking the original

Web: <https://mykeys.es/>

Speech: Thursday 17th, 12:20-12:25h.

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Video analytics application

Company: Sinapsystec

Stand: DM11

Level of TRL: 9

Description: It does not replace private surveillance but is an added service that performs the analysis and offers us a statistical report using big data on a regular basis. The images never leave the server, which is local, not on the internet, maintaining the privacy and scrupulously complying with the general data protection law.

Web: <http://www.sinapsystec.com/>

Speech: Thursday 17th, 12:25-12:30.

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Digitization of ground and air transport medical records in 90 seconds

Company: Smarthealth

Stand: DM24

Level of TRL: 8

Description: MPM Software is a specialist and leader in the development of management solutions and technology consulting exclusively for the insurance industry.

Web: <https://www.mpmsoftware.com/es/blog/smart-health-tecnologia-salud-seguros/>

Speech: Thursday 17th, 12:30-12:35h.



Social Robotics and Artificial Intelligence to improve healthcare rehabilitation

Company: Inrobotics

Stand: DM12

Level of TRL: 8

Description: Inrobotics creates new models of personalized cognitive and functional rehabilitation, improving the lives of people with limitations in their motor, cognitive and social capacity, and users who wish to maintain optimal performance in their day-to-day activities.

Web: <https://inrobotics.com/>

Speech: Thursday 17th, 12:40-12:50h.



Creame

Company: Fidesol

Stand: DM1

Level of TRL: 9

Description: Presents a cloud-based, multi-agent Virtual/Extended Reality solution powered by an AI engine. To become aware of the importance of data, a route will be made of information panels and audiovisual formats to help in this journey and learn to identify the greatest threats also risks to create a culture of cybersecurity in our society.

Web: www.fidesol.org

Speech: Thursday 17th, 12:55-13:05h.





Traceability

Company: CTIC Technology Center

Stand: DM19

Nivel TRL: 7

Description: Traceability food application using blockchain technology.

Speech: Thursday 17th, 13:10-13:25h.



Materials and Nanotechnology for innovation

Company: INNANOMAT

Stand: DM32

Level of TRL: -

Description:

- **Laminated Armchair:** These pieces of furniture have a simple geometry base, covered by a differentiated laminated area, which gives it a distinctive aesthetic. These armchairs are easily printable using large-format Additive Manufacturing technology, as well as being customizable depending on the users in terms of height and laminate, making it attractive for the use of this technology.
- **Anemone Table:** This table was generated from a Grasshopper simulation and printed using Large Format Additive Manufacturing technology inspired by the shape of an anemone, which holds a plate that can be made of various materials, although one similar to transparent glass would allow the structure of the table to be seen.
- **Wave textured lamp:** This ceiling lamp has a 3D printed Shader with FFF (fused filament) technology with two well-differentiated textures, one of which resembles waves, and the other composed of perforated areas distributed with certain randomness, generating a peculiar distribution in the outgoing light. Both textures have been generated through the Grasshopper program.
- **A cork Lamp:** This ceiling lamp inspired by the acorn, fruit of the cork oak, has a 3D printed Shader with two well-differentiated textures, one of them that resembles the texture of the acorn's head, and the other with a wavy texture with different relief. Both textures have been generated through the Grasshopper program

Speech: Thursday 17th, 13:50-14:00h



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Culturalfit

Company: Culturalfit

Stand: DM15

Level of TRL: 6

Description: A spinoff of the University of Seville that thanks to the CFAM Method (Cultural Fit Assessment Method) allow auditing the Culture and Values of Organizations in an agile, fast and accessible way.

Speech: Thursday 17th, 13:50-14:00h



Aveon

Company: Aveon

Stand: DM31

Level of TRL: -

Description: AVEON, an innovative, simple and effective solution that saves you time and increases your profits.

Web: <https://www.aveon.es/>

Speech: Thursday 17th, 14:10-14:20h



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