



# IoT Innovation Hackfest

## as Part of the IoT Week 2018

At the Innovation Online Hackfest we are looking for individuals, (that can work in small groups online) towards designing, create and prototype a project-idea and identify the most valuable aspects from IoT technologies. The selection of those valuable technologies should help to enable “IoT innovation” like a NEW BUSINESS IDEA, Promote “IoT knowledge transfer” like to MATURE IoT technologies and solutions into A CURRENT PRODUCT/SOLUTION and to motivate IoT services and applications using IoT Project Results for “accelerating” IoT MARKET ADOPTION.

### What is it?

This year IoT week is organising an **Innovation Hackfest** to allow software developers, systems architects, services and solutions designers, entrepreneurs and business makers, from different start-ups, large industry, industrial research units, etc., to explore the potential of the IoT Platforms, developed technologies, solutions and applications that reflect the results and are the outcomes of three years projects in the context of the IoT-EPI (European platforms Initiative).

### The Objective

The main objective this year is to motivate that results from H2020 European projects and innovative ideas go into market products, services and solutions that can incentivise entrepreneurship (start-ups), market adoption (industries make use of available technologies), knowledge transfer (large industries) to adopt and adapt technology coming from donor projects in the form of open source technologies and include them in their business plan, and/or products ideas, and/or production process.

### The Registration

Individuals can register and participate and form a team (ideally) of maximum three persons, every person must register in the competition from up to three weeks before the IoT week (available from mid-May 2018) and until the last day of the **Innovation Online Hackfest Finals** (IoT week competition day is on 7<sup>th</sup> June 2018) indicating the team she/he belongs to. If participants are alone, organisers can advise to form teams of three in order to combine expertise and increase the possibilities to win. The earlier you register the more time your team has to get to know and test the available technologies. The selected online platform for registration is **IoTWeek 2018 devpost** where all the challenges and technologies available are described in detail.

## The Challenges and Hacking Opportunity

Registered participants will have access to learn the details, and experiment or test the technologies, platforms and services, and have the opportunity (in advance of the competition) to look across the different IoT platforms information sites, development wikis, software code repositories, etc. The offered technologies, services and solutions described can be used freely during this period. The details about the challenges are described below, look at the tools offered per challenge.

## The Process

The IoT Innovation hackfest is online and runs for three weeks from the day this innovation online hackfest is open on 15<sup>th</sup> May 2018

- The **Hackfest is online** starting immediately as soon as devpost is up.
- There is one challenge defined per sponsor project with cash prize for the winner.
- The registration in IoT Week 2018 devpost will be open on 15<sup>th</sup> May 2018.
- The participant(s) register and indicate if already part of a team and which one.
- The participant(s) that registered as individuals will be advised/joined into a team.
- The **teams work online** designing, architecting, describing solutions/ideas.  
(Read again the objective and what is expected from participants to be a winner)
- There are no limits in how the participants can work together, e.g. via online meetings, conference calls, online collaboration platforms, social media, etc.
- The teams must **register the project** latest 24 hours before the finals day.  
Deadline for registering projects is the 6<sup>th</sup> May 2018 at 12:00 CEST.
  
- The sponsor projects will be in the exhibition area during the IoT week with clear indication that the project is part of the hackfest providing “last-mile” support.
- Main support will be the project’s documentation, code repos and wikis.
  
- The teams must **submit the project** files, i.e. 3 slides with the pitch idea and a video that contains the business idea or the demo with the code that works.
- The submission deadline of the project is on 7<sup>th</sup> June 2018 at 12:00 CEST.
- On 7<sup>th</sup> June 2018 (the day of the final) there will be a place dedicated for fine tuning and preparation of the projects before the presentation.
- On 7<sup>th</sup> June 2018, we will have at 10:00 am a session from the sponsors to put the hackfest participants in contact with the projects and judges.
  
- On 7<sup>th</sup> June 2018, at 14:00 we will have the pitches and demos of the participant teams and judges will make a first assessment and evaluation.
- On 7<sup>th</sup> June 2018, from 15:00 onwards the judges will meet to decide on the winners.
- On 7<sup>th</sup> June 2018, the winners will be announced at the closing ceremony around 17:00.
  
- In the designated area for the IoT innovation hackfest, the organizers provides coffee and donuts during the coffee break in the morning and pizza, sodas and snacks for lunch free

for all the participants registered in devpost, everybody is welcome from 9:00 am.

### **Rules**

- All participants must be registered in IoT Week 2018 devpost.
- The members in the team must be registered in order to be eligible to participate.
- Participant teams must submit and present the project on Thursday 7<sup>th</sup> June 2018.
- The presentation is a pitch of 5 min describing: project, business idea and demo.
- The pitch can be supported with no more than 3 slides.
- The business idea must promote the sponsor project in commercial solutions.
- The demo can be presented with a video with duration of no more than 3 minutes.

### **Deadlines**

- The hackfest registration for projects will remain open until 24 hours before the finals day, in other words: Deadline for registering projects is 6<sup>th</sup> May 2018 12:00 hrs
- The submission deadline for projects is on Thursday 7<sup>th</sup> June 2018 at 12:00 hrs
- The pitches and demos competition/final is on Thursday 7<sup>th</sup> June 2018, at 14:00
- The IoT Week 2018 Innovation hackfest winners will be announced on Thursday 7<sup>th</sup> June, at the IoT Week closing ceremony at 17:00 hrs.

### **Material and Equipment (What to Bring?)**

Considering that the objective of the IoT Week 2018 hackfest is innovation, the use of commercial solutions and commercial products is recommended. Participants are free to use and bring on the day of the final their own products and equipment for demonstration of their project, solutions and technologies. There is no restriction in use of material and equipment, however if the equipment required special support or connections please bear in mind it may not be available for demonstration, if this is the case a demonstration video can be recorded and presented along the pitch competitions as far as the video is not more than 3 minutes duration.

- Bring your own Laptop(s), Power Cords,
- Mobile Devices (Sensors, Smart Phones, Tablets, etc) and Adaptors.
- Photo ID and Competitive Spirit!

### **Fees and Cost (What we will provide?)**

There is no cost for registering and submitting the project in the IoT Week 2018 Innovation Hackfest. However there is a 50 Euro registration charge per participant that includes unlimited donuts and coffee and unlimited pizzas, sodas and snacks provided in the dedicated area for IoT innovation hackfest on Thursday 7<sup>th</sup> June 2018 and also give you access to the IoT Week 2018 exhibition area during the IoT Week.

- Wi-Fi, Assistance from BIG IoT / SymbloTe / FIESTA-IoT
- IoT Interoperability Challenge Participant Badge
- Food, drinks, and a chill space to fine tune your Demo / Presentation and Pitch.

### **The Prizes**

More than 3000 Euros in prizes

There will be different categories/challenges and prizes:

The best use of SymbloTe technology in your business model:	1000 Euro Winner
The best use of BIG IoT technology in your business model:	1000 Euro Winner
The best use of FIESTA-IoT technology in your business model	1000 Euro Winner

## Judging Criteria

### C1) Innovation:

Is it an amazing IoT use case / scenario / service?

### C2) Business idea:

Does the IoT Service create value?

Does it save money, create business opportunity, more value or new products

### C3) Use of proposed Platforms:

Does the IoT service take advantage of the features and capabilities of  
BIG IoT, SymbloTe or FIESTA-IoT technologies

## Evaluation

There is a board of industrial, academic experts, investors and the technical expert and the coordinator of the sponsor project(s) whom will evaluate together the winner of the prizes on the 7<sup>th</sup> June 2018.

The prize per challenge will be evaluated based on three main criteria (C):

C1) demonstrated working project/code,

C2) best pitch explaining the project and the business idea, and

C3) innovation idea using project results.

In the IoT innovation hackfest only one team per challenge will win.

The evaluation assessment for a winner team is based on three criteria (C) as follow:

Winner Team - 1000 Euros per team

C1) Showcase some coding that works,

C2) best pitch for the solution and business idea, and

C3) include any idea in how the project results can be commercially used/exploited.

Winner Team - 750 Euros per team

C1) Showcase some coding but fail to make the code work

C2) best pitch for the solution and business idea, and

C3) include any idea in how project results can be commercially used/exploited.

Winner Team - 500 Euros per team

C1) Showcase some coding but fail to make the code work,

C2) pitch the solution but fail to have a clear business idea, and

C3) include any idea in how the project result could be commercially used/exploited.

To reduce draws and ensure the winner team is the selected in the most transparent way the scoring and weighting system for judges is explained as follow:

	Evaluation Weight		Evaluation Points		Max Points to Win
C1)	1*	–	25 Points.	–	25 Points
C2)	3***	–	25 Points.	–	75 Points
C3)	2**	–	50 points.	–	100 Points

\*(1) Important but not crucial to win.

\*\*\*(2) important and must be included in order to win.

\*\*\*(3) crucial and in case of omission the chances to win are minimal.

# IoT Innovation Hackfest Schedule

May 15 2018	
00:00 HRS	<p>IoT Innovation Hackfest Starts Challenges Begins</p> <ul style="list-style-type: none"><li>- BIG IoT Challenge</li><li>- SymbloTe Challenge</li><li>- FIESTA-IoT Challenge</li></ul> <p>BIG IoT Support begins Email support based on GitHub project <a href="https://big-iot.github.io/">https://big-iot.github.io/</a></p> <p>SymbloTe Support begins Email support based on GitHub project</p> <p>FIESTA-IoT Support begins Email support based on GitHub project</p>
June 07	
10:00 HRS	<p>Welcome and Logistics Message BIG IoT, SymbloTe, FIESTA-IoT Teams and Judges Introduction. Fine Tuning Session for Teams Final Pitch Preparation Starts</p>
12:00 HRS	<p>IoT Innovation Hackfest Project Registration Closes.</p>
14:00 HRS	<p>Team Projects Presentations Starts - Finals (In order to be eligible to win, you must register for the hackathon at this point.)</p>
June 07	
15:00 HRS	<p>Judges Evaluation – Assessment Meeting In order to be eligible to win, you must have checked in at by this point.</p>
June 07	
17:00 HRS	<p>IoT Week Closing Ceremony. IoT Innovation Hackfest Winner Results.</p>

## Questions

Send us an [\[email\]](#), we are here to help! You can also check out our [discussion wiki boards at \[devpost\]](#) to ask questions about the IoT challenges or to connect with developers and form a team.

IoT Week 2018 IoT Innovation Hackfest.