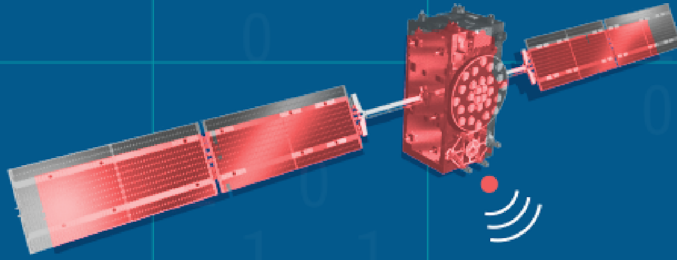# 5th CASSINI HACKATHON

24-26 MARCH 2023

CASSINI
Hackathons & Mentoring

SPACE: DEFENCE & SECURITY

Hackathon Agenda

Organised by

CITIZENS IN POWER

Under the auspices of

CSEO
Cyprus Space Exploration Organisation

www.citizensinpower.org

5th CASSINI HACKATHON
24-26 MARCH 2023
CYPRUS

CASSINI
Hackathons & Mentoring

CITIZENS IN POWER

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Cyprus Space Exploration Organisation

CYENS
CENTRE OF EXCELLENCE

CYRIC

EXCELSIOR

CYPRUS COMPUTER SOCIETY

DIGITAL SECURITY AUTHORITY

ERATOSTHENES CENTRE OF EXCELLENCE

RITE
RESEARCH INSTITUTE FOR TECHNOLOGICAL EVOLUTION

Cyprus University of Technology

OPEN UNIVERSITY OF CYPRUS

1828

Malloc

University of Cyprus

ΥΠΟΥΡΓΕΙΟ ΑΜΥΝΑΣ

Cocoon creations

DEPUTY MINISTRY OF RESEARCH, INNOVATION AND DIGITAL POLICY
REPUBLIC OF CYPRUS

ELECTI

Ευρωπαϊκή Ένωση
Ευρωπαϊκό Ταμείο Περιφερειακής Ανάπτυξης

Κυπριακή Δημοκρατία

Διαρθρωτικά Ταμεία της Ευρωπαϊκής Ένωσης στην Κύπρο

Δήμος Λευκωσίας
Nicosia Municipality

Πολυδύναμο Δημοτικό Κέντρο Λευκωσίας

PARTNERS & SPONSORS

②

Background

C.I.P. Citizens in Power (CIP) is a non-profit, educational and research organization, constituting one of the leading organizations in Cyprus in the fields of global education, social innovation, entrepreneurship, STEM and sustainable growth. Our team designs and implements cross-sectoral, interdisciplinary approaches, as a response to fundamental social, educational and environmental challenges and policy gaps, by employing technology transfer and operationalising the research findings. Recognising diversity as a congenital feature of modern societies, CIP has been tirelessly working to inspire and transform communities by endowing young people and citizens with innovative tools and comprehensive solutions. We, therefore, aspire to be the local organiser in order to foster cooperation between local partners in defence and security, space tech, and innovation that will be beneficial to the EU. In Cyprus, there has been a growing need for IT security professionals, with Cyber Security facing a critical skills gap across a wide range of areas, including cloud security, OT security, data science and analytics, security architecture and engineering, and attack simulation. On that account, by hosting the CASSINI Hackathon, C.I.P. aims to mitigate this shortage of skills, targeting students, university graduates, or even non-ICT professionals with a clear aim to encourage young people to pursue a career in cyber security. In this light, our organisation will be able to reinforce existing connections, form new ones and expand into the realm of space technology advancements by creating educational material and pathways to encourage the development of start-ups and skills for youth and adults alike.

Partners

The 5th CASSINI Hackathon Cyprus is powered by CASSINI Hackathons and delivered by Citizens In Power under the auspices of CSEO.

It is delivered by Michalis Strouthos, co-founder & CEO of Cocoon Creations and Crew, Abdullah Bin Masood, Ph.D student at the Department of Computer Science at the University of Cyprus, Asfa Jamil is a Machine/Deep Learning expert, Research Associate at CYENS-Centre of Excellence, George Mendrinos – CEO of Caius L.P, George Michas – CTO of Caius L.P, Marios Glytsos – Head of AI team of Caius L.P, Colm Larkin - Head of Education and Outreach of CSEO, Marios Iacovou – Research Engineer at Catalink Ltd.

This edition of the Hackathon is supported by: Deputy Ministry of Research, Innovation & Digital Policy, Ministry of Defence, Digital Security Authority, CyRIC, Cyprus Computer Society - CCS, Municipality of Nicosia - KEEAED, University of Cyprus (UCY), Cyprus University of Technology (CUT), Open University of Cyprus, CYENS, techisland, UCLan Cyprus, RITE (Research Institute for Technological Evolution), Malloc, Cocoon Creations and Electi Consulting.

How it works

How Can EU Space Data Help Us Build a Safer, Stronger Europe?
At the 5th CASSINI Hackathon, participants are invited to use space data and signals to develop defence and security solutions for Europe.
It's open to everyone: the Hackathon will offer comprehensive digital resources to enable participants to utilise space data and develop an innovative business pitch. In Cyprus, prizes will include €1,000 and additional business support.
You need to bring your laptop, and if you like you can go through the Big Ideas Campaigns sessions to help you prepare ahead the hackathon (available on DRIVE **here**).

Utilising EU Space data
In the fifth edition of the Hackathon, we'll be looking at three crucial challenges:
1.   Enabling cross-terrain mobility. Can you create a solution that enables mobility for defence forces, emergency response teams, and humanitarian aid workers? We're looking for tools to assist with mission planning, operational logistics, and search-and-rescue.
2.   Making the seas more secure. This challenge invites participants to develop solutions for maritime intelligence. You might be monitoring security threats or illegal activity in order to make our seas more secure.
3.   Protecting our critical infrastructure. We're looking for solutions which assess or mitigate disruption to public services and supply chains. For example, how would you use EU Space data to protect essential services from cyberattack?

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FRIDAY, MARCH 24 - AGENDA

CENTRAL HUB ●   CYPRUS ●

VIRTUAL PARTICIPATION JOIN DISCORD: HERE

Time is given in Local Cyprus Time

Also Join DISCORD #local_hub_channel - press /join and select CYPRUS

TIME (EET)	ORGANIZER	DURATION	SESSION TOPIC & SPEAKER
5:00 pm	CYPRUS	30 minutes	Registrations
5:30 pm	CYPRUS	20 minutes	Welcome & Introduction
5:50 pm	CYPRUS	15 minutes	Mr Andreas Louca, GM for the Ministry of Defence Mr Andronikos Kakkouras, Senior Officer for the Deputy Ministry of Research, Innovation & Digital Policy Mr Petros Galides, Deputy Commissioner of Communications for Digital Security Authority (DSA)
6:05 pm	CYPRUS	10 minutes	Mr Kyriacos Kokkinos, Former Minister for Research, Innovation & Digital Policy
6:15 pm	CYPRUS	15 minutes	Mr George A Danos president of the CSEO & Vice Chair for Innovation of COSPAR MoU Agreement with CIP
6:30 pm	CYPRUS CENTRAL HUB	20 minutes	Short Break / Music / Live Stream Carousel with Central Hub
6:50 pm	CYPRUS	60minutes	Team Building Workshop
7:50 pm	CYPRUS	10 minutes	Short Break / Music
8:00 pm	CENTRAL HUB	60 minutes	Welcome to CASSINI Hackathons Live
9:00 pm	CYPRUS	-	Cocktail - Network - Live Stream Carousel Music by DJ ANNIE

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SATURDAY, MARCH 25 - AGENDA

CENTRAL HUB ● **CYPRUS** ●

VIRTUAL PARTICIPATION JOIN DISCORD: HERE

Time is given in Local Cyprus Time

Also Join DISCORD #local_hub_channel - press /join and select CYPRUS

TIME (EET)	ORGANIZER	DURATION	SESSION TOPIC & SPEAKER
9:00 am	CYPRUS	30 minutes	Technical Setup
9:30 am	CYPRUS	30 minutes	Q & A Session on Tools
10:00 am	CENTRAL HUB	10 minutes	Good morning - Start of the day & what's ahead - Breakfast
11:00 am	CENTRAL HUB	10 minutes	Start your career in Defence & Security Conversation
11:45 am	CENTRAL HUB	10 minutes	Interview with Cyprus
12:00 pm	CENTRAL HUB	60 minutes	Live Q&A on Positioning, Navigation & Timing - Technical Q&A on GNSS
12:40 pm	CENTRAL HUB	60 minutes	Welcome to CASSINI Hackathons Live
2:30 pm	CYPRUS	20 minutes	Energizer team building activity
3:30 pm	CENTRAL HUB	30 minutes	Live Q&A on Earth Observation
5:30 pm	CENTRAL HUB	30 minutes	Round-up of the day

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SUNDAY, MARCH 26 - AGENDA

CENTRAL HUB ●   **CYPRUS** ●

VIRTUAL PARTICIPATION JOIN DISCORD: <u>HERE</u>

Time is given in Local Cyprus Time

Also Join DISCORD #local_hub_channel - press /join and select CYPRUS

TIME (EET)	ORGANIZER	DURATION	SESSION TOPIC & SPEAKER
10:00 am	**CYPRUS**	30 minutes	Technical Setup
11:30 am	**CENTRAL HUB**	20 minutes	Pitching Crash Course - Presentation
11:50 am	**CENTRAL HUB**	10 minutes	Pitching Crash Course - Q&A
15:30 pm	**CYPRUS**	5 minutes	DEADLINE FOR SUBMISSION Congrats on the teams; good luck with the pitch!!
15:35 pm	**CYPRUS** **CENTRAL HUB**	175 minutes	Local pitch show Live stream carousel
6:30 pm	**CYPRUS** **CENTRAL HUB**	5 minutes	Closing of the hackathon Wrap up of the hackathon weekend
6:35 pm	**CENTRAL HUB**	5 minutes	Thanks from the European Commission
6:40 pm	**CENTRAL HUB**	15 minutes	Announcing the 10 local winners
6:55 pm	**CENTRAL HUB**	5 minutes	Info about the Demo Day
7:00 pm	**CYPRUS** **CENTRAL HUB**	-	END OF HACKATHON

*The jury panel will be comprised of

Dr. Kyriacos Pavlou, **Director of Electi Academy, is a co-founder of Electi Consulting Ltd, and is a research associate at the UCL Centre for Blockchain Technologies (UCL CBT) in London, UK**

George A Danos **is the President of the Cyprus Space Exploration Organisation (CSEO) and the President of the Parallel Parliament for Entrepreneurship of the Republic of Cyprus**

Dr. Panayiotis Philimis **is the founder and CEO of CyRIC**

Dr. Liza Charalambous **is co-founder and CTO of Malloc**

Kostas Tsangarides **is a Cypriot Mechanical Engineer/ Mechanical Designer and a Researcher at Space Systems Solutions (S3) Ltd**

Panis Pieri **is a Startup Journalist, a Podcaster and an Event Organiser**

Location

The venue is located in the old town of Nicosia.
Friday, March 24 - 5 pm
KEEAED is at Trikoupi Street, 129-131

https://goo.gl/maps/C4gRPevBBiErRqd87

There are 2 parking spots next to the venue and other options for parking in the area, and you can also you the parking near NiMAC. It's about a 10 min walk from Solomou Square bus station. There are a lot of municipal and private parking options around the venue. Due to road works on Trikoupi street please use alternative paths to get to the parking.

The event is co-organised with the Nicosia Multifunctional Center in the context of the project, Information and Training Center for Employment and Business Action, which is co-funded by the European Development Fund of the EU, the State and the Municipality of Nicosia.

Contact person

For any questions before and during the hackathon, you can contact:

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+357 99294217

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