



INNCYBER Innovation HUB

Digital transformation, Cyber & IoT

-RESEARCHERS CATEGORY-

2nd edition | 2020/2021

INNCYBER Innovation Award: Scope



- Globally, cybercrime is the **2nd most reported** economic crime;
- Over 24.000 apps with suspicious code (*malware*) are blocked;
- According to Microsoft, the **potential cost** of cybercrime to the global community is **\$500 billion**, and a data breach will cost a company an average of **\$3.8 million**.
- Organizations need to adopt more **efficient strategies** to approach digital transformation, Internet of Things (IoT) and cyber risks, as well as achieve competitive advantage through innovation.
- A **collaboration** between **Universities, Companies, Research Centers, Armed Forces and Security Forces** should be leveraged in order to **optimize innovation in Cybersecurity**.





INNOCYBER Innovation HUB

Digital Transformation, Cyber & IoT

What is INNOCYBER: DIGITAL TRANSFORMATION, CYBER & IOT Innovation HUB?

What is INNCYBER: DIGITAL TRANSFORMATION, CYBER & IOT Innovation HUB?



INNCYBER Innovation HUB
Digital transformation, Cyber & IoT

INNCYBER: DIGITAL TRANSFORMATION, CYBER & IOT Innovation HUB is an
ACCELERATOR for fostering innovation on cybersecurity involving Universities,
Research Centers, Armed Forces, Security Forces and Reference
Companies/Organizations in security industry in an integrated ecosystem.



WHO WE ARE

Altice Labs, an Altice Group company, lives by innovation and works every day for the development of new solutions, technologies and trends for the telecommunications area.

Knowledge is the raw material that Altice Labs transforms into advanced solutions with an innovation approach supported on an ecosystem built around R&D entities, startups and industrial partners.



BUSINESS AREAS

Altice Labs portfolio is enabling the telecom industry and other sectors to do better business, increase efficiency, improve the user experience and capture new opportunities.

Network Solutions

Optical Network Equipment
FTTx Networks
G.fast
Certification and Interoperability Labs
Cellular Planning and Optimization Services

Operations Support Systems

Network Development and Inventory
Service Fulfillment
Service Assurance
Customer Centric Operations

Network Control & Services Platforms

Convergent services
Charging and policy management
Campaign and channel management
M2M
Digital Assistants

Digital, Internet & Television

Interactive TV and OTT
Wallet & Payments
Push&Pull advertising platforms
Personal Cloud Storage
eCare & eHealth

MARKET PRESENCE



250.000.000

people communicate everyday
through technology developed
by Altice Labs.

What is INNCYBER: Partners



EDP is a global energy player, with a priority in its commitment to protect its critical infrastructure networks and customers

What is INNCYBER: Partners



CYBER ACADEMIA AND INNOVATION HUB (CAIH)



What is INNCYBER: Partners



ABOUT US

- [Functional Structure](#)
- [Mission and competences](#)
- [Experience](#)
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About us

The National Cybersecurity Centre is the operational coordinator and the Portuguese national authority specialised in cybersecurity working in this field with State entities, operators of Critical Infrastructures, operators of essential services and digital service providers, ensuring that the cyberspace is used as an area of freedom, security and justice, for the protection of all the sectors of society that materialize national sovereignty and the Democratic State under the rule of law.

[REPORT INCIDENT](#)



INNCYBER Innovation HUB: Methodology and operationalization



Phase 1
Project development

+

Phase 2
Project implementation

INNCYBER: DIGITAL TRANSFORMATION,
CYBER & IOT Innovation Award

Recognize and award the best projects
developed by researchers, students and
university professors in digital
transformation, cybersecurity and IoT.

Physical and virtual space dedicated to project
implementation, giving to researchers and
entrepreneurs :

- Mentoring by cybersecurity professionals



Militar Academy HQ Lisbon



INNCYBER Innovation HUB
Digital transformation, Cyber & IoT

INNCYBER Innovation Award Recap 1st edition

INNCYBER Innovation Award: 1st Edition Summary



30 teams participated in the 1st edition of INNCYBER INNOVATION Award, resulting in a total of more than 90 participants including students (56) and supervising professors (39) from 17 universities in Portugal and Spain.

The project "iCatch - Intelligence System for the Characterization of Multi-Stage Cyberattacks", developed by João Orvalho, a student at the Polytechnic Institute of Beja, under the guidance of Prof. Rui Silva from the same institution was the big winner of the 1st edition of INNCYBER.



INNCYBER Innovation Award: 1st Edition Summary



Eng. José Alegria - Altice



TGen. João Cartaxo Alves – Força Aérea



Eng. Paulo Moniz – EDP



CAIm. António Gameiro Marques
GNS|CNCS

INNCYBER Innovation Award: 1st Edition Summary



Prof. Telmo Vieira – PremiValor Consulting



General José Lemos Ferreira auditorium at the Air Force Staff, in Alfragide



Rogério Bravo – Chief Inspector Polícia Judiciária Cybercrime Unit



Presentation of a finalist project



INNCYBER Innovation
Digital transformation, Cyber & IoT



INNCYBER Innovation HUB
Digital transformation, Cyber & IoT

INNCYBER Innovation Award 2nd edition

INNCYBER Innovation Award: Objective (Phase 1.)



The INNCYBER: DIGITAL TRANSFORMATION, CYBER & IOT Innovation Award aims to promote :



- The innovation and creativity in digital transformation, cybersecurity and IoT
- The development of innovative projects with impact at local, national and international level and the capacity of innovation in the development of more efficient strategies to approach the cybernetic risk management
- The implementation of new STARTUPS in the areas of Digital transformation, Cybersecurity and IoT that anticipate market tendencies
- The knowledge and technology transfer in cooperation with major universities, research centers, Armed Forces, Security Forces and Reference Companies/Organizations in security industry
- The proximity between academy and business reality

INNCYBER Innovation Award: Strategic areas



1. Security and vulnerabilities in the 5G World;
2. Internet of Things (IoT);
3. Artificial Intelligence & Machine Learning applied to cybersecurity;
4. Cloud security;
5. Security-by-design;
6. New strategies to address social engineering attacks;
7. Ethics & Human Element of Cybersecurity – bridging the gap between machines usage in cybersecurity and the human decision-maker;
8. Cyber Hygiene and GDPR: Training program for the dissemination of good practices among users;
9. Microeconomics applied to cybersecurity

INNCYBER_HUB

INNCYBER Innovation Award: Strategic areas



Business Plans and Digital Marketing Plans – **NEW TOPIC**

- 10. Marketing plan to promote cybersecurity literacy in the general population or in a specific population group (senior population, less educated population, youngsters and children...)
- 11. Marketing campaigns (e.g. mailing) and social engineering: the impact of phishing
- 12. Communication plan for secure teleworking
- 13. Social networks and digital security
- 14. Security-by-design in digital marketing
- 15. Innovative business models for the sharing economy in the digital transformation, cybersecurity and IoT areas
- 16. Communication plan for improving cooperation, information exchange, incident response and trust building among CSIRTs
- 17. Business plan for the internationalization of INNCYBER – Digital Transformation, Cyber & IoT HUB
- 18. Products/services to be developed in the scope of INNCYBER – Digital Transformation, Cyber & IoT HUB

INNCYBER Innovation Award: How to participate?



Candidates must have a PhD, attend in the present academic year a PhD/Doctorate program or be a researcher in a University, Institute or Research Center.

INNCYBER Innovation Award: Main phases



Next step: Project submission – SEPTEMBER 7TH

Registration



Project
development and
delivery



Jury evaluation and
selection of the finalist
candidates



Ceremony to award
the winning
candidate



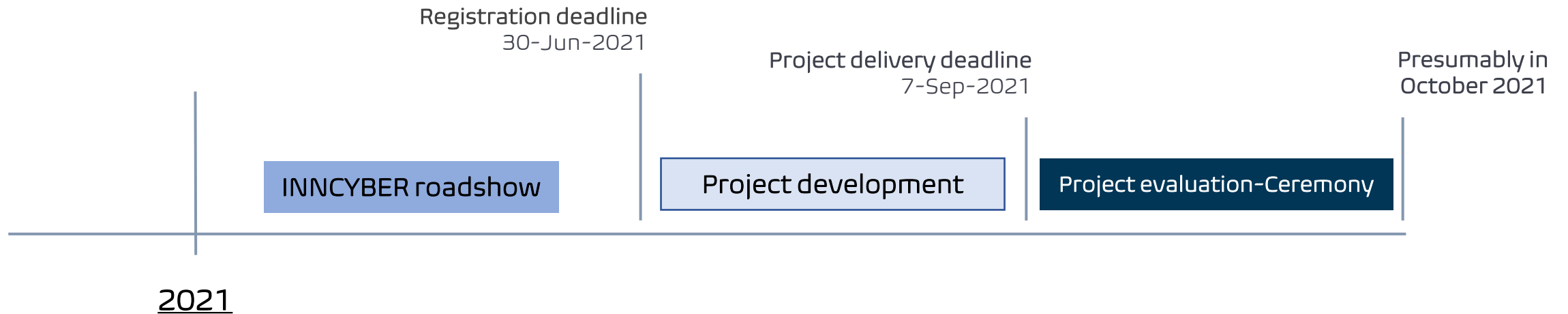
*Elevator Pitch to
be done by the
finalist
candidates*

Project
implementation

INNCYBER Innovation Award: Calendar



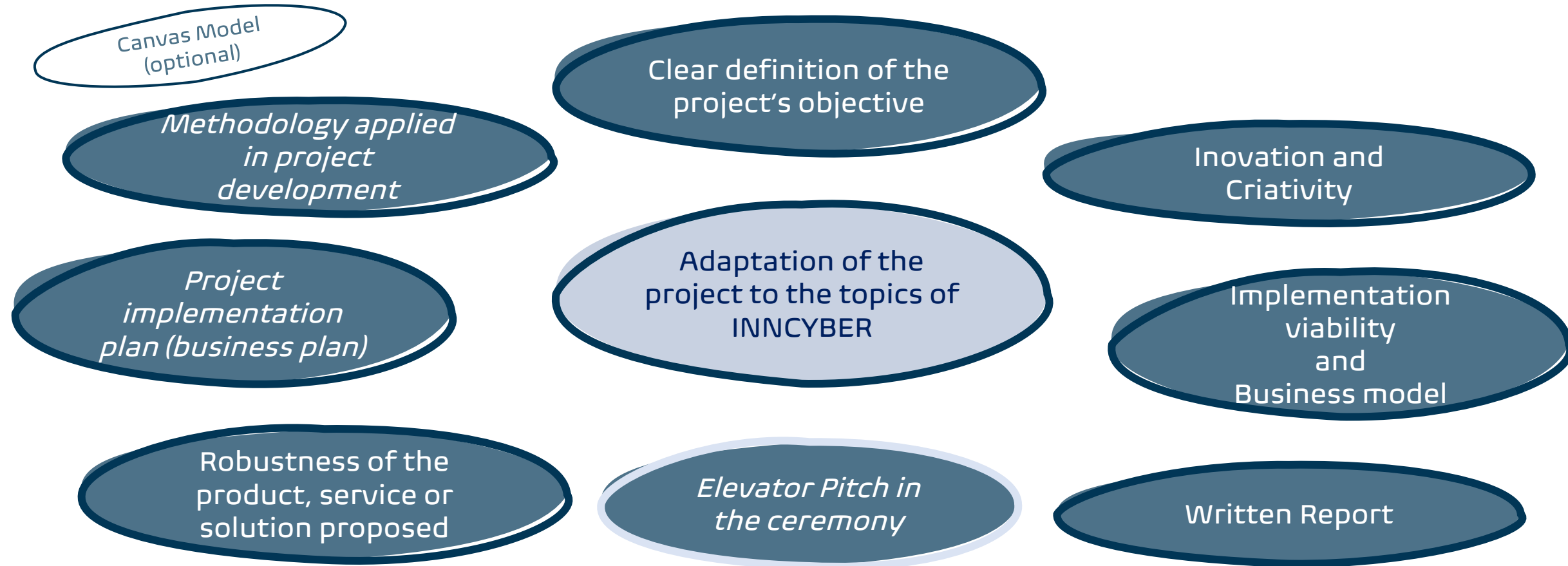
2nd Semester



INNCYBER Innovation Award: Project evaluation criteria – finalists' selection



INNCYBER Innovation HUB
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INNCYBER Innovation Award: Finalists selection



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Best
Projects!!!

The best projects will be selected by the jury which will present their ideas at the award ceremony in Elevator Pitch format.

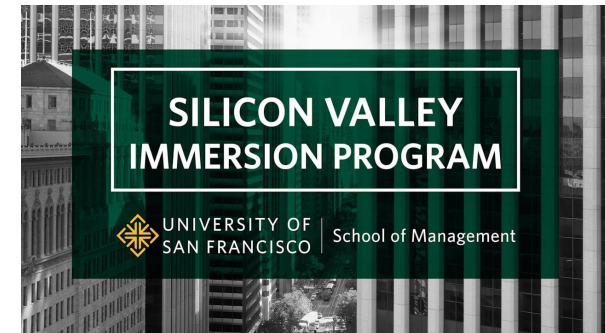


INNCYBER Innovation Award: Awards



The winning candidate of the 2nd edition of the INNCYBER: DIGITAL TRANSFORMATION, CYBER & IOT Innovation Award will be awarded in a public ceremony to be held, presumably, in October 2021.

PhD Prizes



SILICON VALLEY IMMERSION PROGRAM



UNIVERSITY OF
SAN FRANCISCO

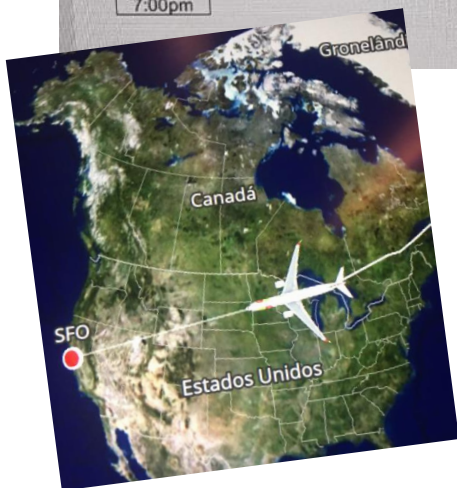
School of Management



UNIVERSITY OF
SAN FRANCISCO

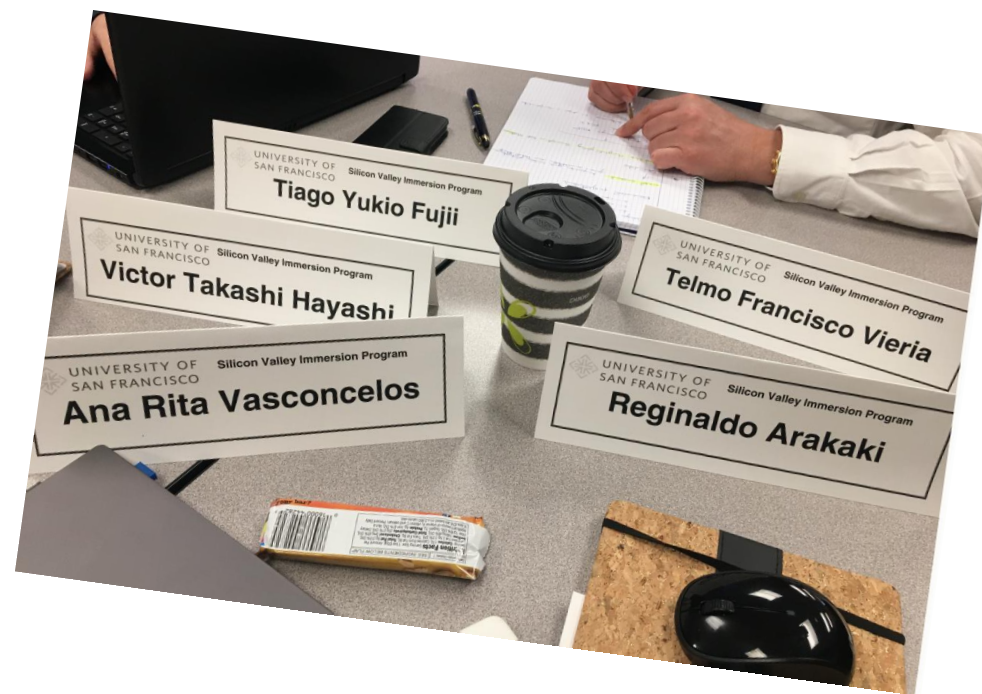
School of Management

	Monday	Tuesday	Wednesday	Thursday	Friday
7:30am				Travel to USFCA San Jose Campus	Group Work Time on Business Plan Pitches
8am					
8:30am	Welcome and Introduction to USF			The Rise and Fall of Silicon Valley Tech Giants: An Insider Perspective - Product Director at Facebook	Crossing the Chasm and Beyond: Creating Go-To-Market Successes at Every Stage of Your Company - Managing Director, Strategy at Deloitte
9am		Failure: The Secret Sauce of Silicon Valley - Co-Founder of the North Face			
9:30am	An Introduction to Silicon Valley Entrepreneurship, Innovation, and Venture Capital, and a Guide to Developing New Capabilities - Director of USF Entrepreneurship Department		ExperiencePoint Design Thinker Simulation	Top Technology Trends in Silicon Valley - Chief Information Officer	
10am		Managing Hyper-Growth Teams and Products in Silicon Valley - VP Product at tech security startup; formerly with Uber			Travel
10:30am					Lunch
11am	Lunch				
11:30am				Travel	Travel
12pm					
12:30pm	Workshop: Elevator Pitch and Business Plan Concept and Development - Tech entrepreneur & venture capitalist	Lunch	Lunch	Lunch	
1pm					Feedback and Evaluations: Final Business Plan Pitch Presentations - investors, advisors, founders, entrepreneurs
1:30pm		Travel	Coaching: Business Plan Pitch Practice - Many coaches including investors, advisors, founders, VPs, directors, professors and more	Travel	
2pm					Certificate Ceremony
2:30pm	Guided Walk in SoMa SF	Company Visit to Incubator/Accelerator		Company Visit to Medium-Large Tech Company	
3pm		Travel		Travel to SF - and optional drop-off in Palo Alto	Closing Reception
3:30pm	Company Visit to Startup				
4pm		Group Work Time on Business Plan Pitches			
4:30pm					
5pm					
5:30pm					
6pm					
6:30pm		Networking Event at Local Innovation Hub (evening TBD)			
7:00pm					





Deep understanding of the unique ecosystems of San Francisco and Silicon Valley through interactive seminars, company visits, hands-on projects, networking events, and educational tours.



It was a very exciting week at USA.

Great insights from experienced leaders like Hap Klopp and passionate startup founders like Andrew Allen; workshops on business plan, elevator pitch and design thinking; visits to Intel and Angel Investor forum.

After the Silicon Valley Immersion Program from University of San Francisco (and with the help of our partners from Portugal), our project has improved a lot in the business aspect.

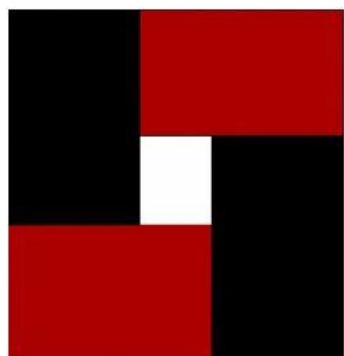
What I take from this experience: the dedication, passion and desire to impact thousands of people that I felt from entrepreneurs.

Victor Hayashi (Winner of EDP UC 2019)





Gritstone Oncology is developing tumor-specific cancer immunotherapies to fight multiple cancer types. Gritstone's approach seeks to generate a therapeutic immune response by leveraging insights into the immune system's ability to recognize and destroy tumor cells by targeting tumor-specific neoantigens.



KEIRETSU
FORUM

Keiretsu Forum is a global investment community of accredited private equity angel investors, venture capitalists and corporate/institutional investors.

Keiretsu Forum was founded in the San Francisco East Bay in California in 2000 by Randy Williams.

Is a worldwide network of capital, resources and deal flow with 52 chapters on 3 continents. Keiretsu Forum members invest in high-quality, diverse investment opportunities.



INNCYBER Innovation Award: Advisory Board & Scientific Committee



LT Colonel Salomão Carvalho

- Project Manager of the NATO Smart Defence “Multinational Project on Cyber Defence Education and Training (MNCDE&T)” and the National Co-Leader at the European Union Military Training Group - Cyber Defence Discipline.



Paulo Moniz

- Chief Information Security Officer at EDP Group
- AFCEA Portugal - Cyber Committee Board Member



Rui Carvalho

- Development Director at EAST (European Association for Secure Transactions); chair of the EAST Payment Task Force;
- Member of the EC3 Advisory Group on Financial Crime at Europol.



José Alegria

- Chief Security Officer at Altice Portugal;
- Worldwide coordinator of the CyberWatch Program at the Altice Group
- Member of European Cybercrime Center (EC3) Advisory Group on Communication Providers at EUROPOL;

INNICYBER Innovation Award: Advisory Board & Scientific Committee



LIACC

Luis Paulo Reis

- Director of LIACC – Artificial Intelligence and Computer Science Laboratory.
- Vice-president of the Portuguese Association for Artificial Intelligence.



Derene Allen

- Adjunct Professor in the Silicon Valley Immersion Program at the University of San Francisco
- Instructor of Entrepreneurship and Innovation at the UC Berkeley Extension
- International Diploma Program Mentor at the Global Social Benefits Institute, at Santa Clara University



Shomit Ghose

- General partner at the Silicon Valley venture capital fund, ONSET Ventures
- Start-up entrepreneur, with multiple successful exits via IPO and acquisition
- Serves on multiple advisory boards in Europe and the USA



Prof. Carlos Lobo – Legal Advisor

- Doctor in Law
- Professor at the Law School of the University of Lisbon (Tax, Public Finance, Competition and Regulation)

INNCYBER Innovation Award: Mentors Board & Ethics Committee



Nuno Pereira

- Degree in product design;
- Involved in multiple design/engineering hardware and software projects;
- CEO of of Holy Grail Inc.



Rogério Bravo

- Police Chief Inspector responsible for the cyber criminality fighting (working on the field since 1991);
- Portuguese Police representative on INTERPOL's European Working Party on Information Technology Crime;
- Degree on Cyber Crime on Judiciary Police School and postgrad on Information Wars on Universidade Autónoma de Lisboa.

INNCYBER Innovation Award: Contacts



Questions?



INNCYBER Innovation Award: Contacts

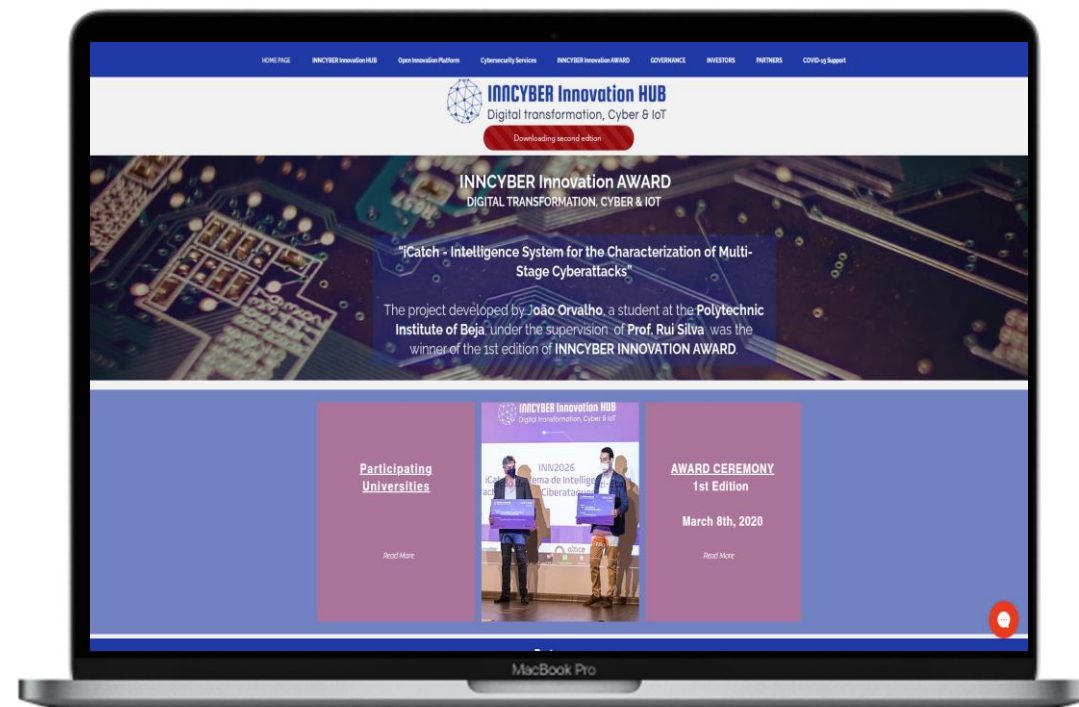
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LinkedIn: <https://pt.linkedin.com/showcase/inncyber-innovation-hub>





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