



Esisar
VALENCE

CSAW'22

NOVEMBER 9–11, 2022

Founded by the Department of Computer Science
and Engineering at NYU Tandon School of Engineering



NYU

TANDON SCHOOL
OF ENGINEERING

CSAW'22

GRENOBLE
INP Esisar
UGA VALENCE



NYU

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Welcome

November 9, 2022

CSAW Europe 2022

Welcome to the 6th edition of CSAW Europe!

Cybersecurity Awareness Week is the largest student-run cybersecurity event in the world. This 19th contest takes place simultaneously on several sites worldwide: New York City for US-Canada, Kanpur for India, Abu Dhabi for MENA, Mexico City for Mexico, and Valence for Europe at Grenoble INP - Esisar, UGA.

During two days, CSAW will bring passionate students about cybersecurity and industrial experts together through competitions and conferences.

I would like to express our sincere thanks to our local authorities, and industrial and academic partners, who made this event possible. We hope all you will enjoy meeting our partners, attending the conferences, and taking advantage of CSAW's many networking opportunities during your journey in Valence.

The knowledge you gain, the relationship you build, and the contributions you make will benefit the European cybersecurity community for years to come.

Thank you for being a part of this adventure!



Sincerely,

Eduardo MENDES

Director
Grenoble INP - Esisar, UGA

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MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION



The generous support of our partners makes CSAW'22 possible.

Master Agenda

WEDNESDAY, NOVEMBER 9

at Grenoble INP - Esisar

Welcome Event for Finalists & Platinum Partners Keynotes	18:00	Galilée Amphi
Cocktail	19:30	Esisar Hall





It's a real pleasure for me to welcome you to Valence: I'm proud that our city hosts the European Edition of Cyber Security Awareness Week 2022.

This edition is organized by Grenoble INP – Esisar, UGA, in partnership with the New York University Tandon School of Engineering.

It's for our school a fantastic challenge and a unique opportunity for high school students to learn the latest trends and developments while testing their knowledge in cybersecurity matters.

Cybersecurity is a subject of growing concern, not only for companies and institutions but for private individuals as well. Cyberattacks are increasingly frequent and have become a top risk in many sectors of the economy worldwide.

We need researchers, engineers, and scientists to seize these questions and prepare for our future safety. This event will contribute greatly to this challenge, and I thank all those who made it possible to organize.

Valence is honored to welcome you: our city demonstrates once again, with this event, our several universities and an engineering school of excellence, Esisar, its ability to innovate at the forefront.

To conclude, let me reiterate that this competition reflects the dynamism and passion of our city and sheds light on the international recognition of Esisar.

I wish you a pleasant stay in Valence and an excellent competition to all!

Nicolas DARAGON
President of Valence Romans Agglo
Mayor of Valence



THURSDAY, NOVEMBER 10

at Grenoble INP - Esisar

▼ PARCOURS EXPERT (Finalists, industrials, researchers, JAIF) / EXPERT PROGRAM

▼ PARCOURS APPROFONDIS (Industriels, PME, ins) / INTERMEDIATE PROGRAM

CSAW'22


COMPETITIONS

CTF

ARC

ESC

RED

8:00 AM	WELCOME BREAK			
9:00 AM	9am ARC Finalists Demonstrations Posters Judges Q&A	ESC Introduction	 9 am RED TEAM COMPETITION (High school students)	
10:00 AM		9:30 am Live demonstrations Judges Q&A		
11:00 AM				
12:00 PM	LUNCH			
1:00 PM	1:15 pm Pitches to the public Amphi D030		Jury deliberation	
2:00 PM		3pm Live challenge		
3:00 PM	Jury deliberation			Jury deliberation
4:00 PM		3 pm Posters session open to the public	Jury deliberation	
5:00 PM	5pm START of CTF 36 hours (online)	6pm CSAW 2022 AWARDS		
6:00 PM				
7:00 PM				
8:00 PM		8 pm SOCCER (Finalists + judges)		
9:00 PM		Bureaux&co - Nouveaux		
10:00 PM				



DISSEMINATION (institutionnels...)/ PROGRAM

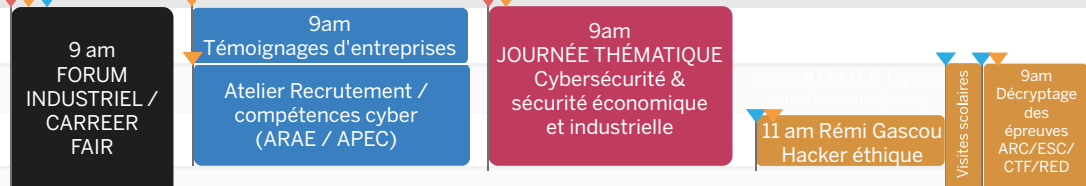
▼ PARCOURS DECOUVERTE (Lycéens, collégiens, professeurs, grand public, institutionnels) / DISCOVERY PROGRAM

INDUSTRY MEETINGS

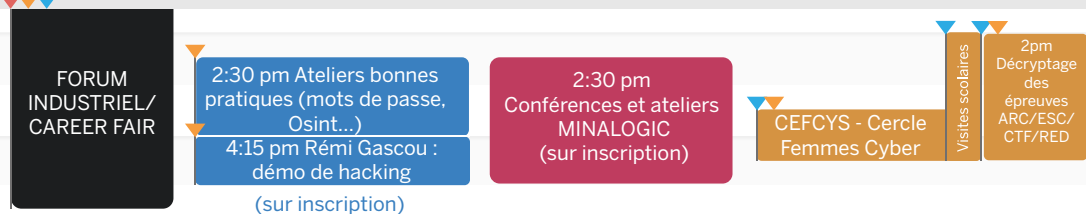


GRAND PUBLIC

BREAKFAST + PROGRAM PRESENTATION



NETWORKING



FINAL CEREMONY ARC + ESC + RED (Finalists + judges + guests)

SPECIAL EVENT

Judges + guests)
 Galleries à Valence

CONFERENCES

Rémi Gascou (@podalirius_) is an offensive security consultant in Toulouse, France, where he leads a pentest team performing internal and external penetration tests for various clients.

Passionate about security research and playing with undocumented mechanisms, he is particularly interested in Windows internals and Active Directory. Along with his research, Rémi has contributed to many open-source tools, including CrackMapExec, Impacket, and co-authored Get-GPPPassword, smartbrute, and pyWhisker. He also created FindUncommonShares, LDAPmonitor and Coercer.



His interventions:

November 10, 11am-12pm: Discover ethical hacking and cybersecurity jobs / Découverte du Hacking éthique et des métiers de la cybersécurité.

Témoignage de Rémi Gascou sur son métier et son parcours (conference in French)

November 10, 4.15 pm-4.45 pm: Experience the simulation of a cyber attack! During Cyberday, Rémi Gascou will demonstrate how hackers can penetrate your infrastructure using only public information about your company (conference in French)



The CEFCYS (CErCle des Femmes de la CYberSécurité) is an association whose main objective is to promote and advance the presence and leadership of women in the cybersecurity professions.



Indeed, today only 11% of the employees in this sector in France are women [Source: Forbes] while cybersecurity is a booming field that is struggling to recruit.

The association brings together more than 400 members, women and men working in this field as well as those who aspire to work in it and to promote its values.

November 10, 3.00 pm-4.00 pm: conference about jobs and skills in cybersecurity (in French) by Salima Benmadid (audit pentest, certification PASSI /RGS, and CEFCYS member)



Stream Twitch Special High School Students

Friday, November 11 at 2pm

- in French -

This year, Grenoble INP - Esisar, UGA, allows the general public to discover the cybersecurity world by broadcasting a live show dedicated to one of the flagship competitions of CSAW22.

On Friday, November 11th, you will be able to follow the broadcast of the final of the RED Team Competition of CSAW'22 where the 9 best French high school teams will compete.



RED TEAM COMPETITION

In this competition, in partnership with Root-Me, participants must determine how a hacker managed to penetrate a system by implementing cybersecurity methods such as digital forensics, vulnerability recognition, and penetration testing.

The stream twitch will also highlight other CSAW competitions and key moments and put a great spotlight on specialties, professions, and partners in the cybersecurity world.

> **Friday, November 11 at 2pm on twitch.tv/esisar**



Live stream is presented by Fred Moulin, former CANAL+ presenter of video games.



MINALOGIC

Auvergne-Rhône-Alpes

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Journée thématique Minalogic

Cybersécurité & sécurité économique et industrielle

Un défi et des opportunités pour tous

Le 10 novembre 2022

Lors de cette journée nous évoquerons le nouveau contexte dans lequel tous les acteurs de l'économie se trouvent et comment y trouver des pistes de croissance et de compétitivités.

Keynote d'introduction

9h - 9h45

Alix MADET, Déléguée régionale à l'information stratégique et à la sécurité économique DREETS **Auvergne-Rhône-Alpes**

Bruno CHARRAT, Adjoint au directeur, responsable de la coordination des actions Cybersécurité - **CEA Grenoble**

Intervention d'Eduardo Mendes, Directeur de l'Esisar

9h45 - 10h

La Psychologie du Hacker

10h - 10h30

Quentin FOURNIER, White Hat - **AlgoSecure**

Vos données sont-elles déjà dans le Darkweb ?

10h30 - 11h

Vincent BOUGEANT, Directeur des études - **Aleph-Networks**

Gouvernance et contrôle des données

11h - 11h30

Fabrice KOSZYK, CEO - **SERENECITY**

Label Minalogic enrichi

11h30 - 12h

Antoine CAMUS, Directeur Cybersécurité **MINALOGIC**

Pause déjeuner

12h - 13h

Pitch des finalistes Applied Research en 3min

13h15 - 14h15

Développer et mettre en œuvre une solution IoT contrôlée et sécurisée

14h30 - 15h

Didier MIDROIT, Directeur du développement - **Rtone IoT Makers**

Christophe BARTHELEMY, Président - **PONANT technologies**

Table ronde : La Cybersécurité des systèmes embarqués et ses opportunités

15h - 15h45

THALES, expert Cyber

PRECIA MOLEN, ETI pesage industriel international

CROUZET, ETI équipementier aéronautique international

LANCEY, startup dans le stockage d'énergie

FPGA fiabilité, sûreté et résilience souveraine des composants composants IoT, comment passer du rêve à la réalité

16h - 16h15

Denis PSOMIADES, CEO - **CLESSE**

Quelles aides et guichets de financement pour Booster votre R&D ?

16h15 - 16h45

Coline FRAIOLI, Ingénieur d'affaires- **ABGI**

Conclusion

16h45 - 17h

Cyberday en partenariat avec Auvergne Rhône-Alpes Entreprises

Intégrer des compétences cybersécurité dans votre entreprise

Le 10 novembre 2022

Auvergne-Rhône-Alpes Entreprises et Esisar organisent le Cyberday, une journée dédiée à la cybersécurité au sein des entreprises industrielles pour faire un tour d'horizon des enjeux et opportunités.

Accueil

8h30 - 9h

Conférence interactive et table ronde sur les compétences cybersécurité à intégrer en entreprise (ARAE - Apec)

9h - 11h30

Quels besoins en compétences cybersécurité dans les entreprises? Quelles sont les attentes des étudiants formés à la cybersécurité? Quel profil recruter? Avec plusieurs témoignages d'entreprises et d'étudiants.

Animée par Sylvie MARQUET, responsable régionale emploi formation, Auvergne-Rhône-Alpes Entreprises, Karim CHIBANE, directeur transfert de technologies, Grenoble INP - Esisar, UGA, Hervé MIALON, expert cybersécurité Auvergne-Rhône-Alpes Entreprises et Emmanuelle MANAS, consultante relations entreprises Apec

Pause déjeuner

11h30 - 13h15

un temps de rencontres entreprises / étudiants et de B to B pour les entreprises

Possibilité d'assister aux pitches finalistes Applied

13h15 - 14h30

Research CSAW

3 ateliers bonnes pratiques au choix

14h30 - 16h15

Cybersécurité & objets connectés

par Mickaël SEIGNOBOS, Ingénieur Cybersécurité ESYNOV

Qu'est-ce qu'on risque réellement lors du piratage d'une ampoule ou d'un thermomètre connecté, sûrement bien plus que vous ne le pensez.

Cet atelier vous permettra de connaître les enjeux des attaques liées à l'IoT.

Cybersécurité & OSINT

Intervenant : Axel ABATTU, Responsable Cybersécurité ESYNOV

Savez-vous ce qu'un hacker peut obtenir sur vous en quelques clics ? Le recours à l'ingénierie sociale par les pirates, devient majeur dans les cyberattaques modernes. Venez découvrir les outils des hackers

Cybersécurité & Mots de passe

par Hervé MIALON, Expert Cybersécurité Auvergne-Rhône-Alpes Entreprises

Faut-il utiliser un questionnaire de mots de passe ? Un mot de passe long ou complexe est-il sécurisé ? Cet atelier vous permettra de mettre à jour vos connaissances sur les bonnes pratiques à avoir pour vraiment protéger ses accès.

Conférence avec un Pentester, Rémi Gascou, hacker éthique, pour vivre en direct la simulation d'une cyberattaque

16h15 - 17h15

Accès à la remise des Trophées de la compétition académique européenne CSAW

18h



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The logo for SGS brightsight. 'SGS' is in a bold, white, sans-serif font with a vertical orange line through the middle of the 'S'. 'brightsight' is in a lowercase, white, sans-serif font to the right of 'SGS'.

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JUDGES

CSAW judges hail from across the industry, representing some of the most elite experts and academicians in the cybersecurity community. We are grateful for their contributions.

APPLIED RESEARCH COMPETITION

FINAL JUDGES

- Hicham Ben Hassine | Technical manager at Algosecure
- Guillaume Bouffard | Embedded Security Researcher at Hardware Security Lab – ANSSI (Agence Nationale de la Sécurité des Systèmes d'Information)
- Marie-Angela Cornélie | Cryptography evaluator at CEA
- Aliénor Damien | Cyber Security Engineer at Thales
- Julien Francq | Cybersecurity Expert and Researcher at Naval Group
- Christian Haury | Product Security Officer at Safran Electronics & Defense
- Victor Lomné | Co-Founder and Security Expert at NinjaLab
- Laurent Mounier | Lecturer and Researcher at VERIMAG laboratory

EMBEDDED SECURITY CHALLENGE

FINAL JUDGES

- Prisca Abizeyimana | Software development Engineer at Ponant Technologies
- Pascal Heraud | Cybersecurity Manager at Safran Electronics & Defense
- Bertrand Talaki | Security Evaluator at SGS Brightsight
- Stéphane Vaugelade | Cybersecurity architect at Thales

RED TEAM COMPETITION

FINAL JUDGES

- Quentin Fournier | Pentester at Algosecure
- Salima Benmadid | Independent - audit pentest, certification PASSI /RGS - CEFYCYS member

Organizers & Supporters



COMPETITION ORGANIZERS

CSAW'22 was developed through the hard work and dedication of the following Organizers and Supporters.

Our sincere thanks!

David Hély, General chair
Eduardo Mendes, Director of Grenoble INP - Esisar, UGA
Anne-Laure Duée, Project Lead & Logistic coordinator
Gabriel Blanchard, Project Lead & Partnerships

ESISAR GLOBAL SUPPORT TEAM

LOGISTIC & SUPPORTS

Axel Abattu, Cyberday Conferences
Hilèle Ait Mani, Communication
Murielle Brachotte, Fondation Grenoble INP
Karim Chibane, Cyberday Conferences
Véronique Jadin, Finances manager
Marie Margot, Communication manager
Zina Njeh, Finances
Charles Reboul, Partnerships
Chantal Robeil, Communication & logistics
Stéphanie Ruard, Cyberday Communication
Mickaël Seignobos, Twitch Stream Faculty coordinator
Vincent Terme, Logistics support
Bruno Teyssier, IT coordinator

STUDENTS LEAD

Mathis Billon, Esisar visits Student lead
Esteban Cadic, Stream twitch Student coordinator
Charlotte Casarrubios, Logistics Student lead
Nathan Latassa, Logistics Student lead
Gabin Chognot, Student coordinators
Ambroise Fiot, Student coordinators
Bilal Mersali, Competition Student lead
Maxime Karajovic, Competition Student lead
Jayson Verin, Welcome Student lead
Club Kr[Hack]en, RED Team Competition Student lead
Club Musisar, Social Event animation

FACTULTY GUIDES

Vincent Berouille, Embedded Security Challenge Faculty co-lead
Christophe Deleuze, Applied Research Competition Faculty lead
Quentin Giorgi, Red Team Competition Faculty lead
Yann Kieffer, Applied Research Competition Faculty co-lead
Amir-Pasha Mirbaha, Embedded Security Challenge Faculty lead

NYU GLOBAL SUPPORT TEAM

LOGISTIC & SUPPORTS

Stef Daley, Project Manager NYU CCS
Ramesh Karri, CSAW Global Conference Director NYU CCS
Emerald Knox, Project Manager NYU CCS
Nasir Menon, CSAW founder & advisor NYU CCS

GLOBAL CHALLENGE LEADS

Brendan Dolan-Gavitt, OSIRIS Faculty advisor, CTF Lead
Dhyey Shah, CTF Co-lead, NYU Osiris lab
Nektarios Tsoutos, ESC Global Faculty lead – University of Delaware
Lars Folkerts, ESC Global Co-lead – University of Delaware
Chaz Gouert, ESC Global Co-lead – University of Delaware
Dimitris Mouris, ESC Global Co-lead – University of Delaware

With the kind and enthusiastic support
of all Grenoble INP - Esisar, UGA employees and students.

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- working time dedicated to R&D
- the opportunity to participate in conferences and CTF funded by Synacktiv
- a good salary and bonuses



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by Grenoble INP - Esisar, UGA

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Competitions



APPLIED RESEARCH

In the Applied Research Competition, student researchers are invited to enter the running for the CSAW Best Paper Award.

Eligible submissions include papers published between September 1, 2021, and August 31, 2022, on any topic related to the application of security technology or the implementation of security systems.

FINALISTS



Andreas Kogler, TU Graz, Austria

ÆPIC Leak: Architecturally Leaking Uninitialized Data from the Microarchitecture

Pietro Borrello, Andreas Kogler, Martin Schwarzl, Moritz Lipp, Daniel Gruss and Michael Schwarz



Johannes Wikner, ETH Zürich, Switzerland

Retbleed: Arbitrary Speculative Code Execution with Return Instructions

Johannes Wikner and Kaveh Razavi



Antoon Purnal, KU Leuven, Belgium

Double Trouble: Combined Heterogeneous Attacks on Non-Inclusive Cache Hierarchies

Antoon Purnal, Furkan Turan and Ingrid Verbauwhede



Simon Rohlmann, Ruhr Universität Bochum, Germany

Oops... Code Execution and Content Spoofing: The First Comprehensive Analysis of OpenDocument Signatures

Simon Rohlmann, Christian Mainka, Vladislav Mladenov and Jörg Schwenk



Karel Kubicek, ETH Zürich, Switzerland

Automating Cookie Consent and GDPR Violation Detection

Dino Bollinger, Karel Kubicek, Carlos Cotrini and David Basin



Michele Marazzi, ETH Zürich, Switzerland

ProTRR: Principled yet Optimal In-DRAM Target Row Refresh
Michele Marazzi, Patrick Jattke, Flavien Solt and Kaveh Razavi



Jonas Juffinger, TU Graz, Austria

Half-Double: Hammering from the Next Row Over
Andreas Kogler, Jonas Juffinger, Salman Qazi, Yoongu Kim, Moritz Lipp, Nicolas Boichat, Eric Shiu, Mattias Nissler and Daniel Gruss



Moritz Schloegel, Ruhr Universität Bochum, Germany

Loki: Hardening Code Obfuscation Against Automated Attacks
Moritz Schloegel, Tim Blazytko, Moritz Contag, Cornelius Aschermann, Julius Basler, Thorsten Holz and Ali Abbasi



Adina Nedelcu, Université Rennes 1, France

How to (Legally) Keep Secrets from Mobile Operators
Ghada Arfaoui, Olivier Blazy, Xavier Bultel, Pierre-Alain Fouque, Thibault Jacques, Adina Nedelcu and Cristina Onete



Thom Wiggers, Radboud University (Nijmegen), Netherlands

More Efficient Post-Quantum KEMTLS with Pre-Distributed Public Keys
Peter Schwabe, Douglas Stebila and Thom Wiggers



ELECTRONICS & DEFENSE

**N°.1
WORLDWILDE**

HIGH PERFORMANCE SPACE &
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SYSTEMS FOR HELICOPTERS

**N°.1
IN EUROPE**

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CAPTURE THE FLAG

Students tackle problems in a series of real-world scenarios modeling various computer security problems. To succeed, teams must demonstrate a profound understanding of the roles and ramifications of cyber security in these situations. Because the challenges are designed to teach, CTF requires contestants to integrate concepts, develop skills, and learn to hack as they go.

FINALISTS

A.B.H., University of Padua, Ca' foscari university of Venice, University of Parma, Italy

Francesco Felet, Vincenzo Bonforte, Hernest Serani
Manuel Romei



BRUNNERNE, University of Southern Denmark

Alexander Nissen, Victor Røer, Mads Nielsen
Jonas Jakobsen



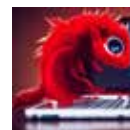
CheriPI, University of Cambridge, United Kingdom

Euan Ong, Fredrik Ekholm, Peter Yang, Nils André



FuzzyDragons, University of Ljubljana, University of Maribor Slovenia, Technical university Graz, Austria

Aleksander Mundjar, Aljaz Skof, Maximillian Seidler
Markus Schiffermüller



Kr[HACK]en, Grenoble INP - Esisar, UGA, France

Célian Glenaz, Julien Cheynet, Téo Arce-menso
Léo Peder



mOunt41n, ETH Zürich, EPFL, Hochschule Luzern, Switzerland

Aaron Hodel, Philippe Dourassov, Marc Bollhalder
Samuel Bétrisey, Vedad Hadzic



polyflag, EPFL, ETH Zürich, Switzerland
Luca Di Bartolomeo, Andris Suter-Dörig, Sina Schaeffler,
Louis Bettens



PwnProphecy, KIT Karlsruhe, Germany
Benedikt Leuze



Radboud Institute of Pwning, Radboud University Nijmegen, Netherlands

Ischa Stork, Mark Fijneman, Ward Theunisse, Jonathan Jagt



STT, Instituto Superior Tecnico, Portugal
Bruno Mendes, Rafael Rodrigues, Nuno Sabino
Afonso dos Santos



TOWEROFHANOI, Politecnico di Milano, Italy
Marco Meinardi, Gabriele Digregorio, Daniele Mammone
Davide Luca Merli



TRX, Sapienza Università di Roma, Italy
Andrea De Murtas, Francesco Mercatili, Christian Cotignola,
Cristian Assaiante



vubar, VU Amsterdam, Netherlands
Nikolaos Chalkiadakis, Aidan Stephenson, Felix Goosens,
Thijs Raymakers



WreckTheLine, West University of Timisoara, Romania
Delft university of Technology, Netherlands, University of
Oxford, UK, ETH Zürich, Switzerland
Fineas Florin Silaghi, Querijn Voet, Alan Chang,
Dragos Albastroiu



Zer0Tolerance, University of Piraeus, Greece
Nikolaos Mourousias, Nils Langius, Panagiotis Lappas,
Michail Tsapralis





LET'S GO FOR DIGITAL INDUSTRY !

PONANT Technologies is a reputed expertise center in Information Technology (IT) and embedded systems for the industry.

Focused in test automation, software design and third party software maintenance, the French company unveils today its brand new solution for automated robotic tests.

eTASQ Motion solution, that meets all your business demands, performs functional, non-invasive tests on consumer electronic or industrial devices.

In association with eTASQ software, the eTASQ Motion robotic bench challenges the reliability of each Human Machine Interface (HMI) fitted with displays, keys and buttons.

The Anaconda project, developed in partnership with LCIS and RTone thanks to the Region Auvergne Rhône-Alpes support, aims to use this robot and its software suite to perform cybersecurity assessments. Bringing further specific software and hardware modules, Anaconda allows you to make cybersecurity tests at all steps of the life of your product.



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EMBEDDED SECURITY CHALLENGE

ESC is an educational, research-oriented tournament aimed at hacking into the hardware of embedded systems. First run in 2008, it is the oldest hardware security competition in the world.

2022 represents ESC's 15 year anniversary.

This year's ESC focuses on machine learning-based attacks in both edge and cloud computing. Machine learning cloud services are used by millions of users every day, and special care needs to be taken to ensure trained models are protected from malicious users.

This year, teams will investigate a range of attacks (such as model leakage) on the machine learning models hosted on a cloud server using a remote Raspberry Pi virtual device.

FINALISTS



pwnthem0le

Matteo Protopapa (Politecnico di Torino) Italy

Luca Mannini (Politecnico di Torino) Italy

Michele Panariello (Eurecom) France

Xiaozhen Zhu (Politecnico di Torino) Italy

Faculty Advisor: Cataldo Basile (Politecnico di Torino)



UCST

Konstantinos Spyridon Mokos (University of Piraeus) Greece

Filippos Fotopoulos (University of Piraeus) Greece

Ilias Fiotakis (Democritus University of Thrace) Greece

Iasonas Konstantinos Manthos (Vrije Universiteit Amsterdam)
Netherlands

Faculty Advisor: Athanasios Papadimitriou (University of Piraeus)

Poulpy's Team

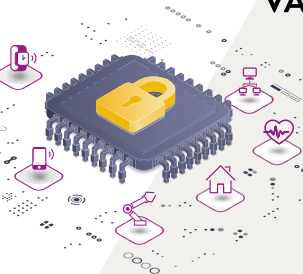
Marceau Larguet (Grenoble INP - Esisar, UGA) France

Joe Abi Khalil (Grenoble INP - Esisar, UGA) France

Maryam Esmaeilian (Grenoble INP - Esisar, UGA) France



Faculty Advisor: Mickaël Seignobos (Grenoble INP - Esisar, UGA)
France



Master in Integration, Security and TRust in Embedded systems

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Design of safe & secure Hardware and Software Systems (200 hours)
+ Optional course: Cryptography or RFID or Control (45 hours)
+ Team Innovation Project (60 hours)

SEMESTER 2: INTERNSHIP

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Admission from December 1st to April 15th

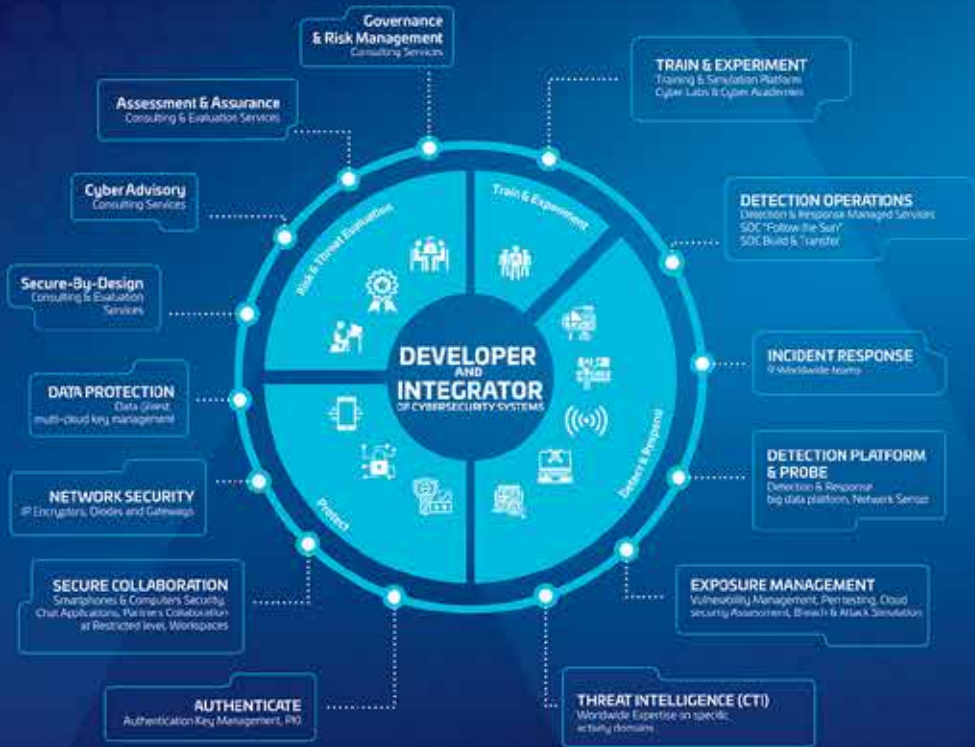
- ADMISSION LEVEL:**
- Master 2 (after one year of a Master or equivalent including courses in Computer Engineering or Electrical Engineering)
 - English language B2 level

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RED TEAM COMPETITION

The Red Team Competition is developed for high school students, with the aim of encouraging young people to choose cybersecurity careers. This competition is open to all high school students in metropolitan France, whether they are beginners or have some experience with cybersecurity issues.

This year, the Red Team competition is co-created by Grenoble INP - Esisar, UGA, in partnership with Root-Me, a platform for learning computer security and hacking.

Teams of 1 to 3 students from the same school are invited to participate in online qualification challenges.



Tourist, Lycée Charlemagne, 2gt6, Paris
Côme Erner

LAMHack, Lycée Champollion, Terminale, Grenoble
Lucien Lebas, Anton Schwartz, Michel Bermond

Team mentor : Hermine Lippens

Ret2kawai, Lycée Don Bosco, Terminale, Marseille
Thibault Le Guennec

St-Barth's goin'2 Valence, Lycée Saint-Barthélémy, Première, Nice
Baptiste Deville

The IND Wankil Studio, Institution Notre Dame, Terminale, Valence
Enzo Roche, William Richard-Chabaud, Lubin Cheval

Team mentor: G. Perminjat

INDragibus, Institution Notre Dame, Terminale, Valence
Alexis Carette, Romain Cantelli, Guillaume Thibaud

Team mentor: G. Perminjat

ret C 2 Ihu, Lycée Jean Macé, Première, Rennes
Simon Fievez, Timothée Gouin

Team mentor: V. Fievez

SNOWDEN, Lycée Algoud-Laffemas, Terminale, Valence
Flavien Dieval, Roméo Chevrier

Team mentor: F. Hergniot

Hunter : The Matrix, Lycée des Trois Sources, Première, Bourg-Lès-Valence
Lenny Vincent, Yohann Robin, Louis Foulquier

Team mentor: R. Janvier



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Questions about our CSAW t-shirt colors?



BLUE shirts

Student competitors and CSAW guests.



BLACK shirts

Support staff and volunteers.

They're here to help you if you have questions.

Do you have questions or need assistance?

csaw-europe@esisar.grenoble-inp.fr

Notes & new contacts



NANOELEC.

EXPLORING THE FUTURE OF ELECTRONICS

IRT Nanoelec runs multi-partner programs to make the electronics sector more competitive, and greener to contribute to the sustainable development of society.

The Nanoelec technological research institute is a consortium of private and public sector players, held by CEA. Our R&D programs are built jointly by representatives from the academic and industrial worlds. Our mission is to help companies create value and enable their products to stand out in the digital transition stage. Due to the rise in cybercrime, cybersecurity of the Internet of things (IoT) is a major challenge for digital trust. Strengthening and hardening critical embedded, increasingly interconnected, and smarter systems is now vital. Facing these challenges, Nanoelec teams develop and test new security features for components and systems in three fields of application: Industry 4.0, Homecare and Robotics.

>> Read more at irtnanoelec.fr





PUBLIC ENGINEERING SCHOOL

ELECTRONICS, INFORMATION TECHNOLOGY & CYBERSECURITY

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