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CYBERSECURITY



CRYPTOGRAPHY CONCEPTS, PAST AND PRESENT

Hands-on workshop using physical tools to show message scrambling techniques of old Greece to modern times.

All beginner-friendly: this course does not use any computers, code, or mathematics.

[View online](#)

Price: 12,00 €

Start date: 10.05.2023

Instructor(s): M. Georges Kessler

Language: English

Difficulty: Beginner



CYBERSECURITY AWARENESS

Cybersecurity is vital if you need to protect sensitive data, or prevent systems from malfunctioning. Being aware of the dangers that roam on the internet and other threats that can harm your IT infrastructure is essential when working with technology. As nowadays basically everybody uses IT in some form, this cybersecurity awareness training can be beneficial to you and your whole organisation. Therefore come join our Cybersecurity Awareness Workshop.

[View online](#)

Price: 12,00 €

Start date: 16.05.2023

Instructor(s): Steve Muller

Language: Luxembourgish

Difficulty: Beginner



CYBERSECURITY AWARENESS

Cybersecurity is vital if you need to protect sensitive data, or prevent systems from malfunctioning. Being aware of the dangers that roam on the internet and other threats that can harm your IT infrastructure is essential when working with technology. As nowadays basically everybody uses IT in some form, this cybersecurity awareness training can be beneficial to you and your whole organisation. Therefore, come join our Cybersecurity Awareness Workshop.

[View online](#)

Price: 12,00 €

Start date: 25.05.2023

Instructor(s): Steve Muller

Language: English

Difficulty: Beginner



FUNDAMENTAL OF IT SECURITY INCIDENT MANAGEMENT

With the rise of digitalization in all sectors of activities, IT incidents in general and security incidents particularly are very common with disastrous consequences. Therefore, it is crucial for today's IT administrators and IT Operation Officers to have the necessary skills regarding how to prioritize, assess and manage any type of incident. The "introduction to IT security incident management" training would equip all participants with the necessary skills and techniques in designing and running an effective incident management process. Lastly, during this training, you will be introduced to some frameworks and tools to facilitate the management of incidents in your organization.

[View online](#)

Price: 28,00 €

Start date: 19.04.2023

Instructor(s): to be confirmed

Language: English

Difficulty: Beginner



FUNDAMENTAL OF PERIPHERAL DEVICES SECURITY

More and more smart and connected peripherals are connected to companies' computing systems and private networks.

These devices are often not securely configured by default, hence representing an attack vector for malicious actors.

The "Fundamental of peripheral device security" course would provide participants with good practices in securing any peripherals within your network and a potential open-source tool to assess and monitor the security status of all devices in your network.

[View online](#)

Price: 28,00 €

Start date: 05.05.2023

Instructor(s): to be confirmed

Language: English

Difficulty: Beginner



FUNDAMENTAL OF SECURE BACKUP MANAGEMENT

Data backups are a critical aspect of organizations' business continuity in case of accidental data deletions, hardware failure, or more severe accidents like natural disasters or malware attacks.

Hence, IT professionals in general and IT administrators, in particular, should have the necessary skills for establishing a backup management process.

The "Secure backup management fundamental" course would cover the principles and requirements for designing and implementing a secure and effective backup management process, parameters to consider when defining backup frequency and the importance of backup testing.

The course will also cover security requirements during and after data is backed up to a disc, tape, or in the cloud.

[View online](#)

Price: 28,00 €

Start date: 03.05.2023

Instructor(s): to be confirmed

Language: English

Difficulty: Beginner



GENERAL CYBERSECURITY AWARENESS EDUCATION

Cybersecurity is nowadays unavoidable since the information is now stored in a lot of modern devices.

Be able to transmit the basics to everyone is really important as the users are the first vector which is targeted by hackers.

This course will help you to transmit good practices to users to avoid as possible one of the main attack vector.

This course is addressed to all IT professionals aiming to lead or provide general cybersecurity awareness training in their organization.

[View online](#)

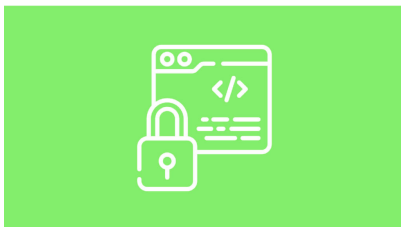
Price: 28,00 €

Start date: 18.04.2023

Instructor(s): to be confirmed

Language: English

Difficulty: Beginner



INTRODUCTION À LA CYBERSÉCURITÉ

- Connaître l'impact d'une attaque sur un système informatique
- Être familiarisé avec le système informatique
- Connaître le fonctionnement des attaques physiques ou virtuelles
- Identifier et réduire les sources d'attaques
- Sécuriser le système informatique
 - physiquement
 - par des bons mots de passe
 - par une bonne gestion des mots de passe
 - connexion et déconnexion ! (serveur et application)
- Traiter les attaques correctement

[View online](#)

Price: 36,00 €

Start date: 02.05.2023

Instructor(s): Christiane Gnad

Language: French

Difficulty: Beginner



INTRODUCTION TO NETWORK SECURITY

Networking is one of the more challenging topics in the computer field, due to the fact that so many technologies are involved, and these technologies are evolving.

IT professionals and network administrators, in particular, must know how to securely install, and configure networking software, protocols, services, and devices and troubleshoot effectively.

The introduction to network security would provide participants with the necessary skills to design, configure, assess and monitor the security of their organization's network.

[View online](#)

Price: 28,00 €

Start date: 16.05.2023

Instructor(s): to be confirmed

Language: English

Difficulty: Beginner



INTRODUCTION TO QUANTUM COMPUTING AND COMMUNICATIONS

This is an introductory session for quantum computing and communications aimed at individuals/professionals looking to start building expertise in these areas. The course is non-technical in nature with high-level explanations of basic concepts and workings of quantum information systems.

[View online](#)

Price: 12,00 €

Start date: 13.06.2023

Instructor(s): Prof. Symeon Chatzinotas & Dr. Junaid Ur Rehman

Language: English

Difficulty: Beginner



MULTI-FACTOR AUTHENTICATION

This training presents various methods of multi-factor authentication to the participants. In a hands-on training participants will learn how multi-factor authentication works and how they can secure their account by adding an additional factor.

Participants should bring their own device(s) to enroll two-factor authentication in their own environment.

[View online](#)

Price: 12,00 €

Start date: 02.06.2023

Instructor(s): Stefan Winter

Language: English

Difficulty: Beginner



NETWORK SECURITY AND INTRO TO THREAT HUNTING WITH WIRESHARK

- Explanation of TLS protocol
- Practical exercises using Wireshark
- A Malware communication analysis using Wireshark

[View online](#)

Price: 24,00 €

Start date: 25.05.2023

Instructor(s): Dr Stefan Hommes

Language: English

Difficulty: Intermediate



PERSONAL DATA AND INFORMATION SECURITY - LEGAL STAKES AND NEW EU RULES

This course provides an introduction to LU/EU data protection rules, how to make your organisation compliant, practical issues and situations, and impact in terms of internal organisation.

[View online](#)

Price: 32,00 €

Start date: 08.06.2023

Instructor(s): M. Mickaël Tome

Language: English

Difficulty: Beginner



SECURE WIFI CONFIGURATION

Wireless Hotspots or access points are ubiquitous in our lives and professional activities. As our devices and systems are often automatically connected to these networks, it is crucial to ensure that they are securely configured.

The "Secure WiFi Configuration" course would provide participants with general security requirements regarding wireless network design and configuration. During this course, participants would be introduced to potential wireless network testing and monitoring tools.

[View online](#)

Price: 28,00 €

Start date: 17.05.2023

Instructor(s): to be confirmed

Language: English

Difficulty: Beginner



SENSIBILISATION À LA SÉCURITÉ DE L'INFORMATION

La cybersécurité est vitale si vous devez protéger des données sensibles ou empêcher des systèmes de mal fonctionner. Il est essentiel d'être conscient des dangers qui rôdent sur internet et des autres menaces qui peuvent nuire à votre infrastructure informatique lorsque vous travaillez avec la technologie. De nos jours, tout le monde utilise l'informatique sous une forme ou une autre, c'est pourquoi une formation de sensibilisation à la cybersécurité est bénéfique pour vous et votre organisation. Venez donc participer à notre atelier de sensibilisation à la cybersécurité.

[View online](#)

Price: 12,00 €

Start date: 07.06.2023

Instructor(s): Steve Muller

Language: French

Difficulty: Beginner



SMARTPHONES ARE HARD TO HACK: MYTH OR REALITY?

Learn the fundamentals of smartphone security risks, attack vectors and best practices

[View online](#)

Price: 22,00 €

Start date: 25.07.2023

Instructor(s): Damien SCHREURS

Language: English

Difficulty: Beginner



SPRING CAMP 2023 – FAMILY DAYS (ADULTS)

Take part in this fun three-day infotech camp for **non-tech** and get a first glimpse in **cybersecurity**, **coding** and **design thinking**. Each day is dedicated to a subject and you will spend the whole day learning the **fundamentals** of each. But that's not all: to go along with this heavy learning, each day will start with a complementary **breakfast** and **coffee** followed by a free **lunch**. To conclude this whole experience, day 3 will end with a "**graduation**" ceremony, where you'll receive your **certification** and **party** with your peers over a beer or a coffee.

Spring Camp 2023 has fun activities for the whole family:

For [teens](#)

For [kids](#)

[View online](#)

Price: 0,00 €

Start date: 04.04.2023

Instructor(s): cf. description

Language: English

Difficulty: Beginner