

Trust4Futures

Prof Bill Buchanan OBE FRSE



TAGES
a way to innovation

<https://trust4futures.com>



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Outline



This is a collaboration between Edinburgh Napier University, TAGES and Istanbul Blockchain Women and funded by the **EIT Deep Tech Talent Initiative** of the European Institute of Innovation and Technology (EIT).

This EIT Deep Tech Talent Initiative-funded project provides free training in areas of **Cryptography, Blockchain, Post Quantum Cryptography and Privacy-aware AI**.

We aim to provide coverage of the **foundation elements of digital trust** and showcase how trusted applications and services can be built.



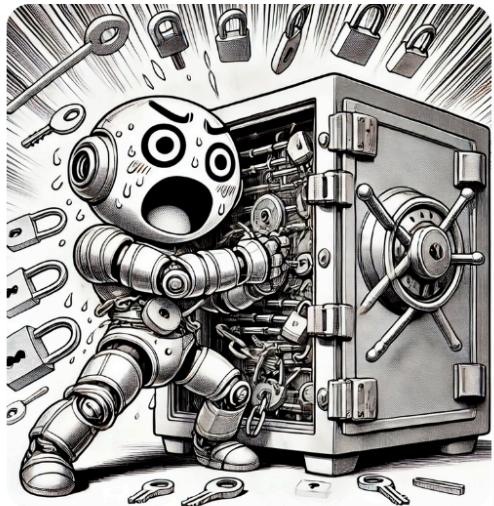
About Us

<https://trust4futures.com/about/>



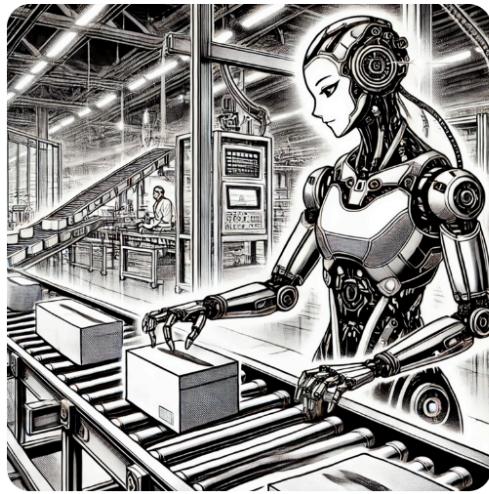
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Workshops



Cryptography

Symmetric Key, Public Key, Hashing, Key Exchange, Signatures



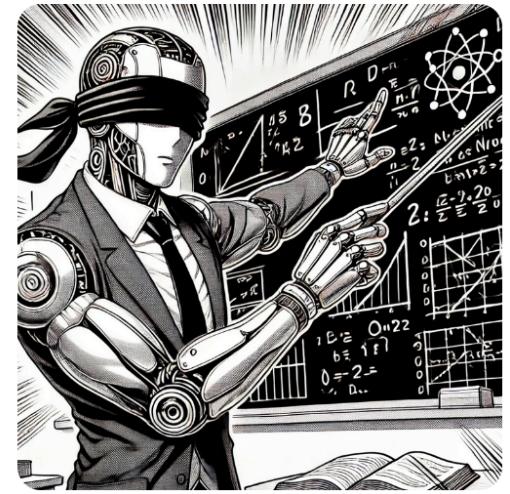
Blockchain and ID

Blockchain, Digital ID, Cryptocurrency, Smart Contracts/NFTs



AI, Cyber and Quantum Computing

AI and Cyber, Cyber and Digital Trust, Post Quantum Cryptography



Future Privacy

Homomorphic Encryption, Zero Knowledge Proofs, AI and Privacy, Cloud Security



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Events



Events:

- Online Workshop 1 (**Wednesday, 26 March 2025**, 10am CET). Cryptography Fundamentals..
- Online Workshop 2 (**Wednesday, 16 April 2025**, 10am CET). Public Key, Digital ID and Blockchain.
- Online Workshop 3 (**Wednesday, 7 May 2025**, 10am CET). Cyber, AI and Post Quantum.
- Online Workshop 4 (**Wednesday, 28 May 2025**, 10am CET). Privacy-aware AI and Future Cryptography.
- Online/physical Conference (**Tuesday, 24 June 2025**, 10am CET): Conference and engagement.



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Moodle

Edinburgh Napier UNIVERSITY Home Dashboard Staff Links Moodle Live Server

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General

This is a collaboration between Edinburgh Napier University, TAGES and Istanbul Blockchain Women, and funded by the EIT Deep Tech Talent Initiative the next few weeks, and can also find out more here:

<https://trust4futures.com>

The course involves four workshops which will be run online, and will also be recorded for a future review. The content can be accessed from:

<https://github.com/billbuchanan/trust4futures>

 Announcements

▼ Cryptography Fundamentals – Wednesday, 26 March 2025 (10am CET)

This will involve a two-hour lecture and a two-hour practical session with the following content:

- Basics of key-based encryption.
- Symmetric Key encryption.
- Hashing methods.
- Public Key Methods (RSA and ECC)
- Digital Signatures.

You can connect on 26 March 2025 at 10am CET/9am GMT: [here](#).

 Workshop 1 Quiz



Trust4Futures ► Workshop 1 Quiz ► Preview

QUIZ

Workshop 1 Quiz

Quiz Settings Questions Results Question bank More ▾

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Question 1
Not yet answered
Marked out of 1.00

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Which is the main entity that is contained in a digital certificate?

- a. The hash signature of the entity
- b. The private key of the entity
- c. The symmetric key of the entity
- d. The public key of the entity



Workshop 1

10-12pm (CET): Cryptography Fundamentals

Presentator: Prof Bill Buchanan OBE

- Intro/Cryptography Fundamentals. Presentation: [here](#). Video recording [here](#).

12-1pm (CET): Break

1-1:30pm (CET): Panel "Trust4Futures - Why is it for You?"

- Moderator: Ayşegül Şensoy
- Panelists: Çağla Güл Şenkardes, Leyla Arsan, Bill Buchanan
- Co-host: Hisham Ali

1:30-2pm (CET): Voices4Futures #1

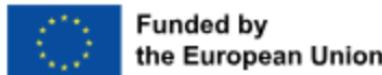
- Moderator: Dr Burcu Sakiz
- Guest speaker: Çağla Güл Şenkardes (Turkish Technology - Information Security Governance and Compliance)
- Co-host: Dr Hisham Ali

2-3pm (CET): Practical and Mentimeter Interactive Test

- Moderator: Prof Bill Buchanan OBE
- Mentimeter test and practical hands-on.

3-4pm (CET): Guest speaker: Whitfield Diffie

- Chair: Prof Bill Buchanan OBE
- Whitfield Diffie guest talk.



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