

# Security Systeme Information Administration Lecture 0

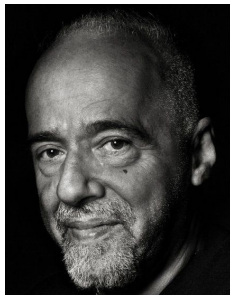
Pascal Lafourcade



2023-2024

“To teach is to show what is possible.”

“To learn is to make yourself possible.”

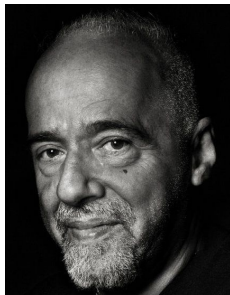


Paulo Coelho

Le Pèlerin de Compostelle

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The students learn, the teacher promotes learning!

# Organisation du cours : 12 Sessions

## Planning

- ▶ Lecture 1: Friday 22 September 13h30 - 15h30
- ▶ Exercice Session 1: Friday 29 September 13h30 - 15h30
- ▶ Lecture 2: Friday 6 October 13h30 - 15h30
- ▶ Exercice Session 2: Friday 13 October 13h30 - 15h30
- ▶ Lecture 3: Friday 20 October 13h30 - 15h30
- ▶ Lecture 4: Friday 27 October 13h30 - 15h30
- ▶ Exercice Session 3: Friday 10 November 13h30 - 15h30
- ▶ Exercice Session 4: Friday 17 November 13h20 - 15h30
- ▶ **Presentation Session 1:** Friday 24 November 13h30 - 15h30
- ▶ **Presentation Session 2:** Friday 1 December 13h30
- ▶ Lecture 5: Friday 8 December 13h30 - 15h30
- ▶ Practical Session: Friday 15 December 13h30 - 15h30

I hear, I forget.

I see, I remember.

I do, I understand.



Confucius

# Grading

- ▶ Présentations : 25' + 10' Q
- ▶ Exam 2h in january

$$Final = 60\%Exam + 40\% \max(CC, Exam)$$

$$CC = 60\%Presentation + 40\%TP$$

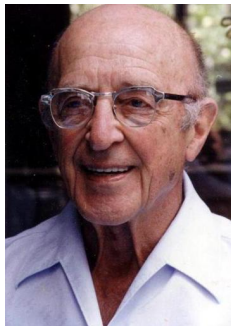
pascal.lafourcade@uca.fr

leo.robert@uca.fr

# Topics

1. TLS/ALPACA
2. TLS/CRIME
3. Same Origin Method Execution (SOME) Attack
4. Spectre and Meltdown
5. RowHammer
6. Petya/NotPetya Ransomware

The only knowledge that really influences behaviour is that which one has discovered and appropriated oneself.



Carl Rogers



# How does lecture work

- ▶ Lecture available, at least one week before.
- ▶ Exercise session available also before.

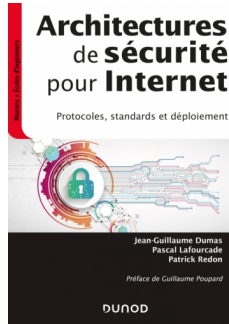
## Answer YOUR questions during the lecture

- ▶ Read the material of the lecture before
- ▶ Understand and prepare questions

# Content of the Lectures

1. Introduction to cybersecurity
2. Public Key Cryptography
3. Symmetric Cryptography
4. Main ATTACKS (Presentation)
5. PKI, TLS, Malwares ...
6. TOR, ZKP, Bitcoin ...

## Questions?



**“Security is a process, not a product.”**

