Object-Oriented Programming in Java

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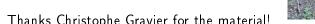


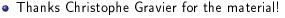
Guillaume Muller

- Associate Professor in computer science¹
- Teachings @TSÉ
 - C/C++, Java, Algo, HPP, Spring, Secu, DevOps, Data
- Research @LHC



- BCI/EEGs, Privacy
- (IA, Multi-Agent, BlockChain, QuantumML)













¹Want to be a researcher?

Lessons & Labs

- One Plenary lesson, to introduce:
 - Labs organization
 - Java basics
 - Evaluations
 - Outline

- Many Labs with Theoretical introduction
 - Introduce a concept ⇒ practice it

• Before each session, a MCQ!!





Evaluations

- At the **beginning** of each Lab
 - You pass a MCQ @MOOTSE

- At the end of each Lab
 - You submit your work @MOOTSE

- Final grade
 - MCQs = 40%
 - Labs = 60%





Outline

- Maven+Unit Testing
- Files+Exceptions
- OJOs+Strings+Wrappers
- Collections
- Java8 : lambdas
- (Data Structures) Graphs
- JDBC
- Swing
- (Algorithms) ConvexHull
- Multi-Threading
- Introspection



