# **Process Mining**



## Lesson 0 – Course Introduction

Doc. Cognini Riccardo

### Who I am

I'm Riccardo Cognini

I'm a PhD in Computer Science

My research area is Business Process Management

Up till now, I'm a software engineer at e-Lios

...and I'm your Process Mining teacher!

### **Process Mining Course**

Name: Process Mining CFU: 6 Teacher: Riccardo Cognini Mail: <u>riccardo.cognini@unicam.it</u> Course Web Site: didattica.cs.unicam.it/doku.php Course Materials: Slide Book: Process Mining – Discovery, Conformance and Enhancement of Business Processes (Springer)



### Monday: 4 PM to 6 PM Thursday: 4 PM to 6 PM

Support can be organizated by mail. I can be in the Computer Science Department every day after the 6 PM.



**Project** (3/4 students per group). Study a specific research topics in the area of Process Mining and expose the result of the reaseach to the class (from 0 to 6 pt.) – <u>not mandatory!</u>

Write Exam. (from 0 to 27pt.)



- 02/02/2018 11:00
- 28/02/2018 16:00
- 14/06/2018 16:00
- 15/07/2018 16:00
- 20/09/2018 16:00
- 14/02/2019 16:00

But, I will be available when you want

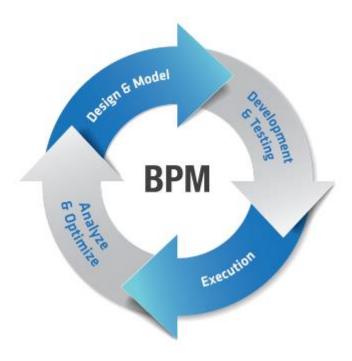
TO DO the Exam you Must:

### Sign up on ESSE3

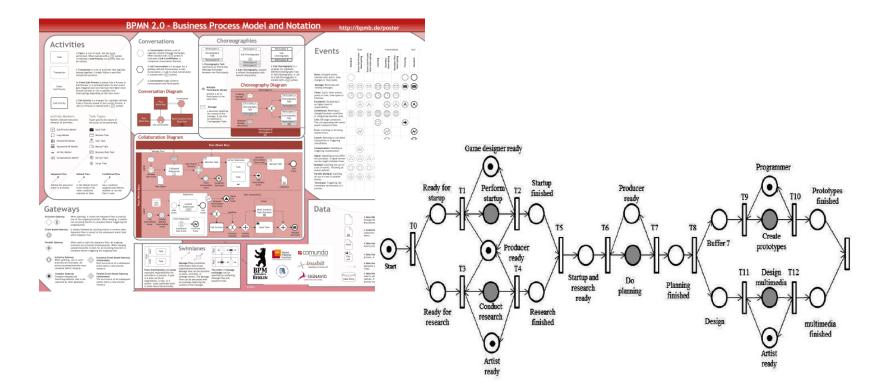
Data Mining (a quick summary)



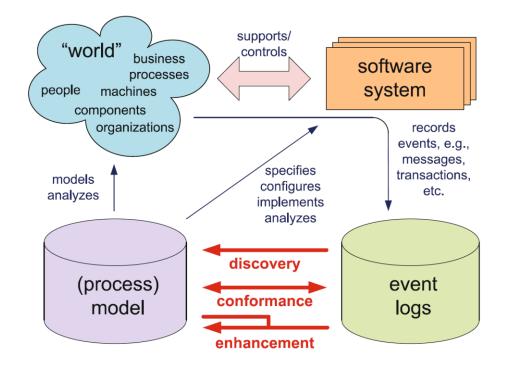
Business Process Management and Business Process Modeling (a quick summary)



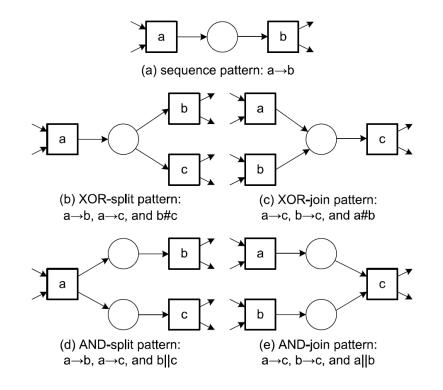
#### Business Processes Languages (BPMN, EPC, Petri Net, YAWL, etc...)



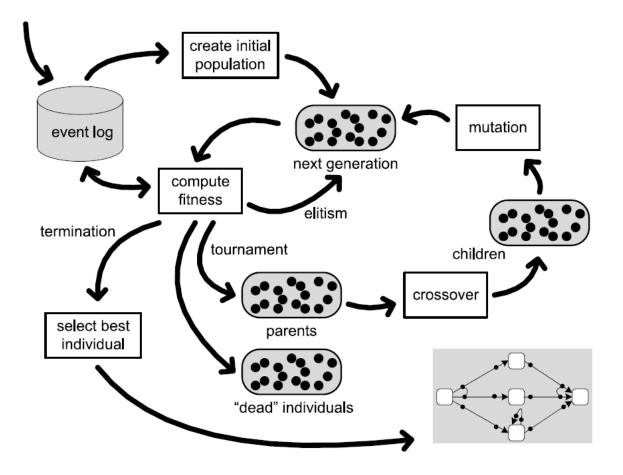
#### **Process Mining types**



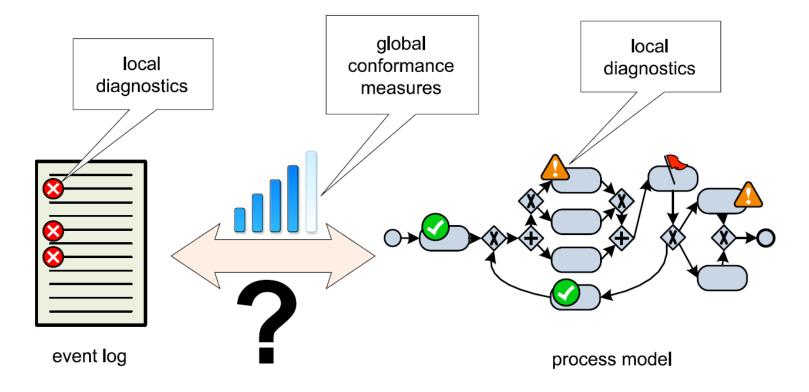
#### Process Discovery: the alpha Algorithm



Process Discovery: other techniques



#### **Conformance Checking**



# QUESTIONS??