



Computing Infrastructures

 POLITECNICO DI MILANO



Course Introduction

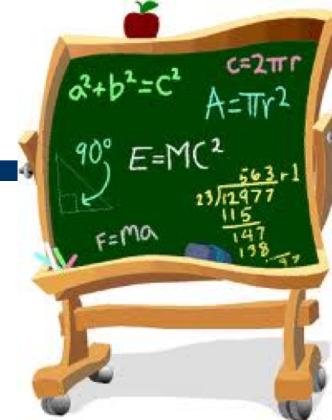
Prof. Manuel Roveri



Outline of the course

1. Performance (Prof. Ardagna)

- Dipartimento di Elettronica,
Informazione e Bioingegneria
- danilo.ardagna@polimi.it
- <http://ardgna.faculty.polimi.it>



2. Technology (Prof. Roveri)

- Dipartimento di Elettronica,
Informazione e Bioingegneria
- manuel.roveri@polimi.it
- <http://roveri.faculty.polimi.it>



Two additional courses related to course's topics (optional):

- Dependable systems (prof. Bolchini)
- Computer systems performance evaluation (Prof. Gribaudo)



Classes of the course



	A-L	M-Z
Monday	14.15-16.15 Room 26.16	14.15-16.15 Conference Room Emilio Gatti
Tuesday	8.15-10.15 Room 6.0.1	8.15-10.15 Room 26.11



Schedule of the Course



	A-L	M-Z
From Feb. 24 to Apr. 20	Prof. Ardagna (Performance)	Prof. Roveri (Technology)
From Apr. 21 to June 9	Prof. Roveri (Technology)	Prof. Ardagna (Performance)

- A detailed schedule is available on Beep



Evaluation

- The course will have a written exam
- The exam will consist in:
 - a set of exercises, i.e., simple problems to solve (similar to the ones that will be covered during the classes)
 - questions dealing with more general topics covered by the course
- Closed book
- Exercises and Exams will be made available
- Thesis about course topics will be made available



Materials

Slides of the course will be published on the Beep website

The screenshot shows the BeeP platform interface. At the top left is the BeeP logo with a stylized 'B' and 'eeP' text. To its right are links for 'PRIVATE PERSONAL AREA' (locked padlock icon) and 'PUBLIC PERSONAL AREA' (unlocked padlock icon). A large blue arrow points to the right, containing the text 'MY COURSES'. To the right of the arrow is course information for '2017-18 - COMPUTING INFRASTRUCTURES [MANUEL ROVERI]'. Below this, a message in red reads: 'IL TUO DOCENTE HA ATTIVATO IL CORSO IN BEEP MA NON LO TROVI TRA I TUOI CORSI?' followed by a note: 'non preoccuparti, da quando il docente attiva il corso, le operazioni di lettura dei piani di studi possono richiedere uno o due giorni.' Below the course info is a navigation bar with tabs: 'HOME' (selected), 'Documents and media', and 'Homework'. The 'activities online and notices' tab is also selected. In the main content area, there's a 'Recent online activities' section showing a recent update from 'OGGI': 'MANUEL ha attivato l'incarico' (10.57). To the right is an 'Announcement' section with tabs 'Elenco' and 'Crea/Gestisci', showing the message 'Nessun avviso presente'.

POLITECNICO MILANO 1863

[2017-18] - COMPUTING INFRASTRUCTURES [MANUEL ROVERI]

IL TUO DOCENTE HA ATTIVATO IL CORSO IN BEEP MA NON LO TROVI TRA I TUOI CORSI? - non preoccuparti, da quando il docente attiva il corso, le operazioni di lettura dei piani di studi possono richiedere uno o due giorni.

HOME Documents and media Homework

activities online and notices | informazioni sul corso e docenti | important dates |

Recent online activities

OGGI

MANUEL ha attivato l'incarico 10.57

Announcement

Elenco Crea/Gestisci

Nessun avviso presente

POLITECNICO MILANO 1863

Piazza Leonardo Da Vinci, 32
20133 Milano

Webmail

SCRIVICI

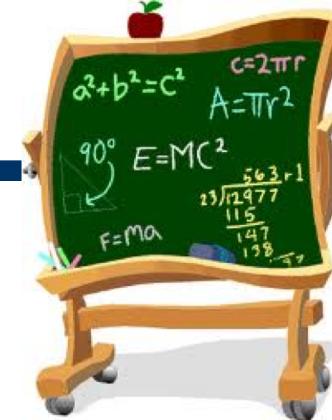
Per una corretta visualizzazione si consiglia di utilizzare: Mozilla Firefox o Google Chrome

accessibilità | termini e condizioni d'uso | informativa privacy | requisiti di sistema

POLITECNICO DI MILANO



Topics of the course



Performance Evaluation is the quantitative and qualitative study of systems, to evaluate, measure, predict and ensure target behaviors and performance.



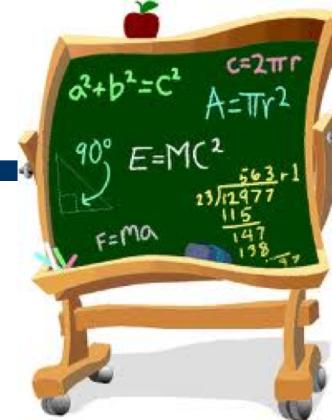


Topics of the course

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"I'm looking for a book called 'The Decline of Manners' by A. S. Thorpe."

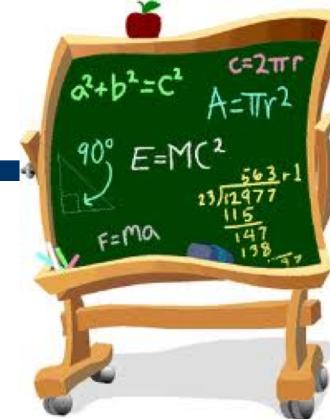


Queueing theory is the theory behind what happens when you have a lot of jobs, scarce resources, and so long queue and delays



Topics of the course

Data center infrastructures have made impressive transformations with the advent of web-based services and distributed systems.



- New architectures, from *cloud computing (SaaS, HaaS, IaaS)* to *edge/fog computing* have been proposed
- The course covers the basics of the actual data center architectures, ranging from the analysis of the single components to the global infrastructure as well as the dependability issues