Formal Methods 2018/19

Instructor: Prof. Giuseppe De Giacomo

Website

- https://sites.google.com/a/diag.uniroma1.it/formal-methods-2018-19/

  Very active! It includes:
  - Course Material: slides, notes, references, etc.
  - Lecture log
  - Forum
  - Polls
  - Other stuff

Forum

- The course has a forum for students and teacher to exchange information, problems, solution, etc.

https://groups.google.com/a/diag.uniroma1.it/forum/#!forum/formal-methods-201819

Register to the course forum now!!!

Polls

1. From time to time we are going to use polls in classes.
2. Our first poll is on our information as students

Register to Formal Methods 2018/19

This form allows you to register to Formal Methods 2018/19.

(Please remember also to register to the forum at https://groups.google.com/a/diag.uniroma1.it/forum/#!forum/formal-methods-2018

First name *

Short answer text

Last name *

Short answer text

Email (please use only your Sapienza account) *

Short answer text

Program *

- M.Sc. in Engineering in Computer Science
- M.Sc. in Engineering in Artificial Intelligence and Robotics
- Other...

Curriculum *

- Big Data
- Cyber Security
- Computing Infrastucture
- Knowledge and Semantic Technologies
- Software and Services
- Artificial Intelligence
- Other...

Year *

- first
- second
- Other...

Contents

1. First order logic evaluation and logical implication
2. Containment of conjunctive queries
3. Incomplete information
4. UML class Diagrams as logical theories
5. Query Answering through UML Diagrams
6. Semantics of programs (abstract operational semantics)
7. Hoare Logic
8. Fixpoint theory
9. Transition Systems
10. Bisimulation
11. mu-Calculus, CTL and LTL
12. Model Checking

All lectures on the lecture log on the course web site