Computer Network Technologies and Services

Tecnologie e Servizi di Rete

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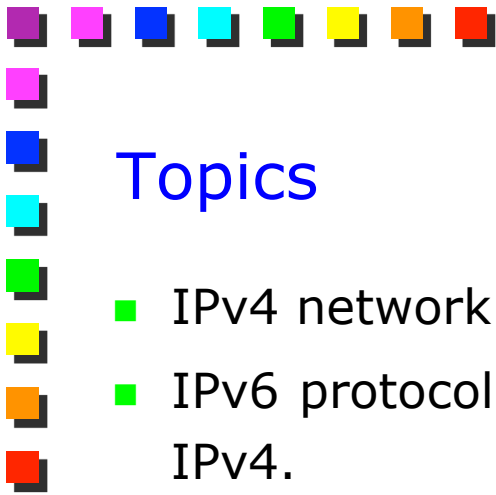
Teachers

- Prof. Mario Baldi
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- Prof. Guido Marchetto
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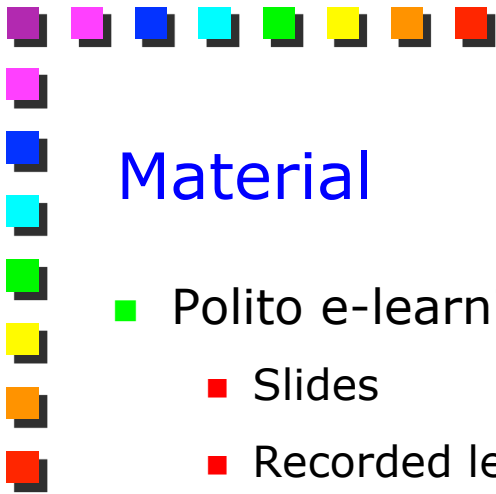 - Email: guido.marchetto@polito.it

Topics

- IPv4 network design

- IPv6 protocol and techniques to support its co-existence with IPv4.

- IPv6 network design

- Ethernet local area network design

- Virtual Private Networks (VPN), both customer-provisioned and provider-provisioned.

- MPLS protocol architecture

- Protocols and techniques for quality of service on IP networks

- Optical networks

Labs

- Three lab experiences
  - IPv6 on hosts
  - IPv6 on routers
  - VPN configuration
- LADISPE (close to room 12)
- CNTS schedule
  - Tuesday – 16:00-19:00, Wednesday – 11:30-14:30, Friday – 8:30-11:30
- TSR schedule
  - Monday – 8:30-11:30, Monday – 16:00-19:00, Thursday – 13:00-16:00

Material

- Polito e-learning portal
  - Slides
  - Recorded lectures

Calendar

- Online calendar to check correct schedule
  - Lectures, labs, exams, ...
- Links on the e-learning portal

Exam

- 1-hour written exam, including 30 multiple-choice questions
  - Correct answer: 1 point, wrong answer: -0.5 points, empty answer: 0 points
- Oral exam if written test mark is larger than or equal to 23 points
  - Elective, but marks larger than or equal to 26 will result in a final grade equal to 26/30 without the oral exam
  - Example 1
    - Written exam: 20
    - Oral exam not possible
    - Final mark: 20
  - Example 2
    - Written exam: 28
    - No oral exam
    - Final mark: 26