ERASMUS opportunities for U. HELSINKI students in Computer Science
Università di Padova
“Universa Universis Patavina Libertas”

• University of Padua
  – Founded in 1222
  – Member of Coimbra group
    • 40 oldest and most prestigious in Europe
  – First degree to a woman (1678)
  – 2500 faculties / 65000 students
  – School of Science:
    • Currently ranked 1st in Italy
    • Hosted: Galileo Galilei, Nicolaus Copernicus
      (more recently): Federico Faggin, Massimo Marchiori

• City of Padua
  – Full of art and history!
  – Quite small city (small distances)
  – Good public transport
  – Close to several research institutes, including:
    • U. of Venice, U. of Bologna, U of Trento, U. of Milan
Getting to Padua

- Venice airport
  - Regular flights to main EU hubs (from Alitalia, KLM, Lufthansa)
  - Less than 2h flights from main cities in Europe
  - The center of Padua is at some 40' (bus+train)
- At some 60' also Verona Airport and Treviso Airport
- Frequent daily trains to other cities in Italy
What you can see...

- “Palazzo Del Bo”
- The Scrovegni Chapel
- “Palazzo della Ragione” (XIII cent.)
CS@UniPD - Education

ERASMUS for MSc (courses and thesis) PhD (research projects)

Academic Calendar

- I trimester: October and November
- II trimester: mid January to mid March
- III trimester: mid April to mid June

The following courses are always given in English:

- Wireless Networks (I t.) - www.math.unipd.it/~cpalazzi/retiwireless.html
- Cryptography (I t.) - www.math.unipd.it/~languasc/Teaching.html
- Static Software Analysis (I t.)
- Bioinformatics (II t.)

Some other courses can be in English if participating internat. students
http://informatica.math.unipd.it/laureamagistrale/corsimagistrale.html
CS@UniPD - Research

— Programming Languages

> Models and languages for concurrent, mobile and distributed systems: process calculi, graph rewriting systems, true concurrent semantics, behavioural equivalences
  Paolo BALDAN, Silvia CRAFA, Francesco RANZATO

> Static analysis and automatic verification techniques for software systems: abstract interpretation, partial order techniques, model based diagnosis, formal approaches to security.
  Paolo BALDAN, Livio COLUSSI, Silvia CRAFA, Gilberto FILE', Francesco RANZATO

— Artificial Intelligence

> Machine learning, pattern recognition, neural networks and kernel methods for structured data, bioinformatics, learning in games, data and business process mining, QSAR studies, time series prediction, information and document retrieval
  Fabio AIOLLI, Alessandro SPERDUTI

> Reasoning with preferences: knowledge representation, constraint satisfaction and optimization, preference modeling, elicitation and aggregation, multi-agent systems, computation social choice
  Francesca ROSSI

— Systems

> Development of concurrent, distributed and real-time systems; cloud computing and service orientation
  Tullio VARDANEGA

> Web technologies, social nets, semantic web and complex systems
  Massimo MARCHIORI

> Wireless networks, mobile applications, online games, multimedia on the Web, privacy and security
  Mauro CONTI, Ombretta GAGGI, Claudio Enrico PALAZZI
Mauro Conti
Very-short Bio

- PhD in Computer Science (2009) - Sapienza University of Rome, IT
- 2008 - Center for Secure Information Systems (CSIS) - George Mason University, USA
- 2009 - selected ERCIM "Alain Bensoussan" Fellowship (currently a EU Marie Curie action)
- 2009-2011 Postdoc at Vrije Universiteit Amsterdam, NL (with by Prof. A.S. Tanenbaum)
- Nov 2010, visiting researcher at UCLA - University of California, Los Angeles, USA
- from 2011, Assistant Professor at University of Padua, IT
- Jun/Jul 2012 visiting Assistant Professor at UCI - University of California Irvine, USA
- From 2012, EU Marie Curie Fellow

- Published 40+ papers in topmost international peer-reviewed journals and conferences
- Panelist at ACM CODASPY 2011
- General Chair for SecureComm 2012 and ACM SACMAT 2013

http://www.math.unipd.it/~conti/
Mauro Conti
Computer and Network Security

- **I part**: Computer Security Technology and Principles; Software Security and Trusted Systems; Management Issues; Cryptographic Algorithms; Network Security
- **II part**: Cutting Edge Research Issues; this part includes seminars given by international guests

**Possible MSc thesis in my research area...**

"The protection provided by encryption is based on the fact that most people would rather eat liver than do mathematics"

Bill Neugent
Mauro Conti
Research Area
Security/privacy in: wired/wireless networks, smartphones, social networks, distributed systems, sensor networks, RFID, cloud computing, content centric networking, vehicular networks, location based services, ...
See you soon!

For further information:

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Ready for take off?