Programma Erasmus+

Sedi Partner 2024-25

Università di Verona
Area Scienze e Ingegneria
26 Febbraio 2024

- ▶ Prof. Fabio Favati (fabio.favati@univr.it): Biotecnologie, Viticultura ed Enologia
- ▶ Prof. Giacomo Albi (giacomo.albi@univr.it): Matematica / Mathematics
- ▶ Prof.ssa Alessandra Di Pierro (alessandra.dipierro@univr.it) e Prof. Matteo Cristani (matteo.cristani@univr.it): corsi di studio afferenti al Collegio Didattico di Informatica (CdS L Informatica, L Bioinformatica, LM Ing. e Scienze Inf., LM Med. Bioinformatics, LM Artificial Intelligence)
- ▶ Prof.ssa Silvia F. Storti (silviafrancesca.storti@univr.it) e Dr. Roberto Di Marco (roberto.dimarco@univr.it): corsi di studio afferenti al Collegio Didattico Interateneo di Ingegneria dell'Informazione (CdS L Interateneo in Ingegneria dei Sistemi Medicali per la Persona, LM Computer Engineering for Robotics and Smart Industry)

UNIVERSITÀ di VERONA

Mobility Programmes
@ Verona

The University of Verona actively promotes internalization by various mobility programmes offering the students the chance of studying abroad:

1. **Erasmus+ study**
2. Erasmus+ internships
3. Short Term Mobility
4. Worldwide Study
5. UniVerona Cooperation

For more detail about each programme, as well as for contacts and FAQ, consult this page.

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Erasmus+ Study Programme
and European University Partners

The Erasmus+ programme is an international mobility programme which allows regularly enrolled students to spend a period of study (3 to 12 months) at a European university.
As part of the programme, students will be able to attend courses and the relevant university facilities, and have their exams and credits recognised at their university.

The Call for Applications for Erasmus+ mobility grants 2024-25 has been published on February 12, 2024.

Contact Roberta Casalini (International Office) at 045 8028530 or the Service Desk

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Erasmus+ Study Programme
and European University Partners

Question: *Why should I apply?*

- ▶ Experience studying abroad
- ▶ Get acquainted with a different culture
- ▶ Improve your language skills
- ▶ Boost career opportunities
- ▶ Find new interests
- ▶ Make new friends
- ▶ Personal development
- ▶ Life experience

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How to Apply

All information on the Call for Application and on How to Apply are available <u>here</u>.

- ► Application deadline: 11-03-2024 by 12:00 CET
- ► Info Day: 21-02-2024 (did you attend?)
- ► Mobility period: from 01-06-2024 to 30-09-2025

All information on the Partner Institutions are available <u>online</u>.

Elenco dei Programmi di Mobilità

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Erasmus+ Study Programme
and European University Partners

To help students in the choice of their destination, this presentation provides some specific information on the activities of our ERASMUS+ partners.

Important: Before applying for a specific destination, students are requested to contact the *local coordinator*. Check <u>the list</u> under Area Sciences and Engineering for the associations university-coordinator.

Erasmus+ Partners
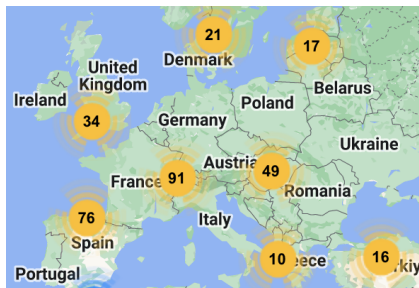
Università della Svizzera Italiana - Lugano Rosalba Giugno
Universitaet Bielefeld Zsuzsanna Liptak
Technische Universitaet - Dortmund Matteo Cristani
Friedrich-Schiller-Universität - Jena Pietro Sala
Technische Universität München Alessandra Di Pierro
Universidad de Las Palmas de Gran Canaria Roberto Posenato
Universidad de Murcia Carlo Combi
Tallinn University of Technology Alessandra Di Pierro
Université de Bretagne Occidentale Nicola Fausto Spoto
Aix-Marseille University (AMU) Gloria Menegaz
Université de Poitiers Gloria Menegaz
Université de La Reunion Nicola Fausto Spoto
University of Thessaly Tiziano Villa
Eotvos Lorand University (ELTE) Matteo Cristani
Technische Universiteit Eindhoven Federica Maria Francesca Paci
Antalya Bilim University (ABU) Alessandra Di Pierro
University of Eastern Finland Rosalba Giugno
University of Primorska Ferdinando Cicalese
Waterford Institute of Technology Alessandra Di Pierro
Eskisehir Osmangazi University Nicola Fausto Spoto
King's College London Alessandra Di Pierro
ECE Paris Lyon, School of Engineering Paolo Dai Pra
Université Côte d'Azur Davide Quaglia
Universitatea Babes-Bolyai Matteo Cristani
Technical University of Crete Alessandro Farinelli
Technical University of Cluj-Napoca Riccardo Muradore
University of Stavanger Graziano Pravadelli
Universidade do Porto (1/2) Andrea Giachetti
Universidade do Porto (2/2) Andrea Giachetti

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Preparation steps

► Consult the coordinator of the institution of your choice (among those listed above) to decide period and activities abroad.

► Apply by March 11, 2024.

► If your application is successful (you will know that by end of March), then your name will be communicated to the host institution.

► The host institution may require, among other documents, a Learning Agreement (LA).

This presentation and related material will be able at this page.

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Technische Universiteit Eindhoven

Suggested topics: Cyber security, Algorithms, Formal Methods, Software Engineering, Embedded Systems, Data Science.
Additional info: TU/e offers Bachelor programs in Computer Science and Engineering, and Data Science as well as Master programs in Computer Science and Engineering, Data Science and AI and Embedded Systems.

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Technische Universiteit Eindhoven

▶ Suggested activities: Attending Basic/Advanced Courses, Thesis Projects

▶ Courses are taught in English. You need to provide a language certificate or TU/e exemption form

▶ All courses at TU/e are worth 5 credits and are delivered in quartiles (2 lessons per week for 8 weeks)

▶ Some courses can only be taken with the explicit agreement of the teacher

▶ Detailed information about the courses can be found here: `https://tue.osiris-student.nl/onderwijscatalogus/extern/cursus`

University of Eastern Finland

Finland
Kuopio

University of Eastern Finland
(Giugno Rosalba)

Settori / Topics: Informatica / Computer Science

University of Eastern Finland (Giugno Rosalba)

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	○ ○ ○ ○ ○
Frequenza corsi avanzati / Attending advanced courses	○ ○ ○ ○ ○
Attività di laboratorio / Laboratory activities	● ● ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ○
Tirocini o stages / Internships or Stages	● ○ ○ ○ ○

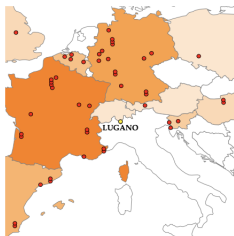### Ambiti scientifici suggeriti / Suggested scientific arguments

Tesi Medical Bioinf su analisi dei dati omici su malattie neurodegenerative.

Note ed informazioni aggiuntive / Remarks and additional info

Mobilità solo per tesi.

UNIVERSITÀ di VERONA

Svizzera
Lugano

Università della Svizzera Italiana
(Giugno Rosalba)

Settori / Topics: Informatica / Computer Science

Università della Svizzera Italiana (Giugno Rosalba)

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	○ ○ ○ ○ ○
Frequenza corsi avanzati / Attending advanced courses	○ ○ ○ ○ ○
Attività di laboratorio / Laboratory activities	● ● ● ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ●
Tirocini o stages / Internships or Stages	● ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Tesi in Medical Bioinf su analisi dei dati e sviluppo di algoritmi/metodi di analisi in bioinformatica con particolare focus ai lymphoma

Note ed informazioni aggiuntive / Remarks and additional info

Mobilità solo per tesi in Medical Bioinformatics.

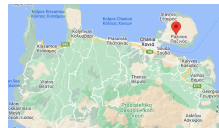UNIVERSITÀ di VERONA

Technical University of Crete

Area: Computer Engineering
Positions available for Undergraduate, Postgraduate and Doctoral programmes.

ΠΟΛΥΤΕΧΝΕΙΟ ΚΡΗΤΗΣ
TECHNICAL UNIVERSITY OF CRETE

- Established in **1977**, Started in **1984**
- 5-Year Engineering Programs: **5**
- Master's Programs: **17+**
- Doctoral Programs: **5**
- European University **EURECA-PRO**

- Undergraduate students: **6846**
- Master's students: **436**
- Ph.D. Candidates: **249**

- Faculty Members: **120**
- Laboratory Staff: **95**
- Administrative Staff: **133**

www.tuc.gr

School of Electrical and Computer Engineering

Topics
Machine Learning;
Artificial Intelligence;
Agents and Multi-Agent Systems;
Reinforcement Learning;
Computational Game Theory.

Univr Erasmus+ web page

Undergraduate Courses
· Expand all descriptions   · Collapse all descriptions

Code	Course	Semester offered in	Instructor
ENE 414	Advanced Electrical Machines	Spring 2024	K. Gyftakis
ECA 420	Advanced Micro-nanoelectronic Devices	Spring 2024	M. Bucher
MTH 513	Algorithms of Quantum Information	Spring 2024	D. Ellinas
INF 453	Autonomous Agents	Fall 2023	M. Lagoudakis
ECE 501	Diploma Thesis	Fall 2023, Spring 2024	
ENE 413	Electrical Machines	Spring 2024	K. Gyftakis
INF 424	Functional Programming, Analytics and Applications	Spring 2024	N. Giatrakos
MTH 211	Introduction to Quantum Computing	Fall 2023	D. Aggelakis
TEL 422	Large and Social Networks: Modeling and Analysis	Fall 2023	T. Spyropoulos
SYS 411	Linear Systems	Fall 2023	N. Bekiaris-Liberis
INF 512	Multiagent Systems	Spring 2024	G. Chalkiadakis
TEL 511	Number Theory and Cryptography	Spring 2024	G. Karystinos
TEL 414	Optimization	Spring 2024	A. Liavas
INF 479	Principles of Distributed Systems	Spring 2024	V. Samoladas
MTH 411	Quantum Information and Quantum Estimation	Fall 2023	D. Ellinas
INF 423	Reinforcement Learning and Dynamic Optimization	Spring 2024	T. Spyropoulos
MTH 412	Stochastic Processes and Time-Series Analysis	Fall 2023	D. Christopoulos

Detailed information about the above courses is available at https://www.ece.tuc.gr/index.php?id=11772.

Graduate Courses
· Expand all descriptions   · Collapse all descriptions

Code	Course	Semester offered in	Instructor
ENE 714	Advanced Electrical Machines	Spring 2024	K. Gyftakis
ECA 720	Advanced Micro-nanoelectronic Devices	Spring 2024	M. Bucher
ECA 901	Advanced Sensor Systems	Spring 2024	S. Ioannidis
TEL 905	Advanced Topics in Convex Optimization	Spring 2024	A. Liavas
MTH 813	Algorithms of Quantum Information	Spring 2024	D. Ellinas
INF 903	Big Data Processing and Analysis	Spring 2024	M. Garofalakis
INF 901	Information Management Methods	Fall 2023	E. Petrakis
MTH 811	Introduction to Quantum Computing	Fall 2023	D. Aggelakis
TEL 722	Large and Social Networks: Modeling and Analysis	Fall 2023	T. Spyropoulos
INF 905	Machine Learning	Spring 2024	M. Lagoudakis
SYS 901	Nonlinear Systems	Spring 2024	N. Bekiaris-Liberis
TEL 811	Number Theory and Cryptography	Spring 2024	G. Karystinos
TEL 714	Optimization	Fall 2023	A. Liavas
ECA 904	Physics, Technology and Applications of Electronic Imaging Sensors and Systems	Spring 2024	R. Balas
MLDS 902	Practical Data Science and Applications	Fall 2023	N. Giatrakos
INF 779	Principles of Distributed Systems	Spring 2024	V. Samoladas
TEL 908	Probabilistic Graphical Models and Inference Algorithms	Spring 2024	A. Bletsas

Field
Science and Engineering

Available Places
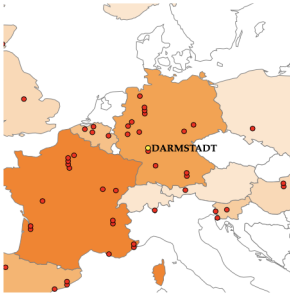3

Places per level of programme
Undergraduate
Postgraduate
Doctoral

Technische Universität Dortmund

Germany
Dortmund

Technische Universität Dortmund
(Matteo Cristani)

Settori / Topics: Informatica / Computer Science

Technische Universität Dortmund

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ● ○
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ●
Attività di laboratorio / Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ●
Tirocinio o stages / Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Informatica Teorica, Ingegneria del Software, Sicurezza, Sistemi Ciberfisici, Sistemi Intelligenti, Didattica dell'informatica

Note ed informazioni aggiuntive / Remarks and additional info

Almost all courses (bachelor and master level) taught in German (B2 necessary), a few master level courses can be taught in English on request. Contacts to groups specializing in Bioinformatics (statistics, algorithms), Text Algorithms, and Didactics of Informatics. Possibility of master thesis (for thesis work, English B2 suffices).
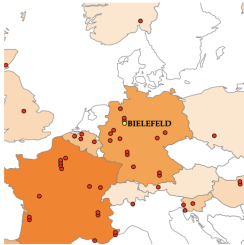
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Waterford Institute of Technology

▶ Area: Information and Communication Technologies
▶ Number of positions: 2
▶ Mobility period: up to 10 months
▶ Recommended language skills: English B1

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Germany
Bielefeld

Universität Bielefeld
(Lipták Zsuzsanna)

Settori / Topics: Informatica, Bioinformatica / Computer Science, Bioinformatics

Universität Bielefeld (Lipták Zsuzsanna)

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ●
Attività di laboratorio / Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ●
Tirocini o stages / Internships or Stages	● ● ● ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Bioinformatica, Biomedical and Health Informatics, Informatica biomedica, Robotica, Sistemi Ciberfisici, Sistemi Intelligenti

Note ed informazioni aggiuntive / Remarks and additional info

The University of Bielefeld was one of the first European universities to introduce a bioinformatics study program, approx. 30 years ago. There are many different research groups in bioinformatics / computation biology, and a large number of courses (bachelor and master); this is no doubt one of the best universities globally for bioinformatics. Equally suitable for following courses, or for doing a master thesis, or both. The Center for Biotechnology (Cebitec) gathers biotechnology and bioinformatics research groups. Bielefeld University also has a strong tradition, and now a major research center, in robotics (Citec), and a master program 'Intelligent Systems' (master). Language: 1) All bachelor level courses are taught in German. For being able to follow bachelor level courses, B2-level German is necessary; intensive German courses (4 weeks) available for Erasmus students prior to beginning of the semester, therefore B1 in German on departure should suffice. 2) Many master level courses may be taught in English on request. For master's thesis, knowledge of English (B2) is sufficient (no German necessary). Research groups are mostly international, with working language English.

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University of Primorska

Slovenia
Koper/Capodistria

University of Primorska
(Cicalese Ferdinando)

KOPER/CAPODISTRIA

Settori / Topics: Informatica / Computer Science

UNIVERSITÀ
di **VERONA**

University of Primorska

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ●
Attività di laboratorio / Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ○ ○
Tirocini o stages / Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Informatica teorica, Ingegneria del Software / Software Engineering, Sistemi Informativi, Sistemi Multimediali, Mathematical Logic and Foundations of Mathematics, Discrete Mathematics, Combinatorics, Algebra, Probability, Numerical Analysis, Operation Research, Mathematical Programming.

Note ed informazioni aggiuntive / Remarks and additional info

Bachelor in Computer Science and bachelor in Bioinformatics fully taught in English, also bachelor in Math in English.

Universidad de Murcia

Spain
Murcia

Universidad de Murcia
(Combi Carlo)

Settori / Topics: Informatica / Computer Science

Universidad de Murcia

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ○ ○
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ○
Attività di laboratorio / Laboratory activities	● ● ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ●
Tirocini o stages / Internships or Stages	● ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Biomedical and Health Informatics, Informatica Biomedica, Sistemi informativi.

Germany
Jena

Friedrich-Schiller-Universität Jena
(Pietro Sala)

Settori / Topics: Informatica / Computer Science

Friedrich-Schiller-Universität Jena (Pietro Sala)

Attività consigliate nella sede / Suggested activities
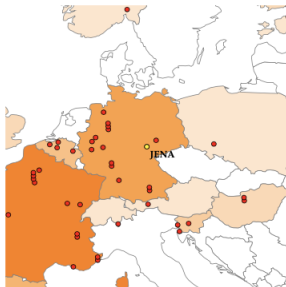
Frequenza corsi di base / Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ●
Attività di laboratorio / Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ●
Tirocini o stages / Internships or Stages	● ● ● ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Bioinformatica, Informatica Teorica, Ingegneria del Software, Didattica dell'Informatica.

Note ed informazioni aggiuntive / Remarks and additional info

Jena University has a bachelor degree (BSc) and master degree (MSc) in bioinformatics, many courses in different areas of bioinformatics (see bioinformatik.uni-jena.de), e.g. phylogenetics, mass spectrometry, systems biology, and others. Teaching language is German but many courses at the master level will be taught in English on request (in the presence of a foreign student). Master thesis in bioinformatics or computer science can be done in English. Close contacts to Bioinformatics group.

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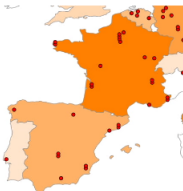
Spain
Las Palmas

Universidad de Las Palmas de Gran Canaria
(Posenato Roberto)

Settori / Topics: Informatica / Computer Science

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Universidad de Las Palmas de Gran Canaria (Posenato Roberto)

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati / Attending advanced courses	○ ○ ○ ○ ○
Attività di laboratorio / Laboratory activities	● ● ○ ○ ○
Stesura tesi di laurea / Degree Thesis	○ ○ ○ ○ ○
Tirocini o stages / Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Ingegneria del software, Sicurezza, Sistemi Informativi

Note ed informazioni aggiuntive / Remarks and additional info

Il corso di laurea in ingegneria informatica, come il master post laurea, dell'Università di Las Palmas di Gran Canaria ha un taglio molto applicativo con particolare attenzione alle tecnologie emergenti. Si consiglia una esperienza Erasmus per frequentare corsi inerenti alla programmazione in ambito mobile o progettazione di infrastrutture e servizi cloud.

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Université de Bretagne Occidentale

France
Brest
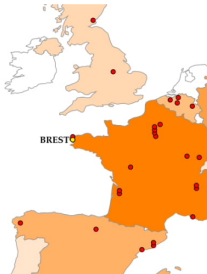
Université de Bretagne Occidentale
(Spoto Fausto)

BREST

Settori / Topics: Informatica / Computer Science

UNIVERSITÀ
di VERONA

Université de Bretagne Occidentale

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ○
Attività di laboratorio / Laboratory activities	● ● ● ● ●
Stesura tesi di laurea / Degree Thesis	● ● ● ● ○
Tirocinio o stages / Internships or Stages	● ● ● ● ○

Note ed informazioni aggiuntive / Remarks and additional info

L'esperienza è indicata per seguire corsi di informatica generale e per svolgere tesi di laurea in ambito di verifica del software.

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Université de La Reunion

France
St. Denis de la Reunion

Université de La Reunion
(Spoto Fausto)

Settori / Topics: Informatica / Computer Science

Université de La Reunion

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati / Attending advanced courses	● ● ● ○ ○
Attività di laboratorio / Laboratory activities	● ● ● ● ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ○
Tirocini o stages / Internships or Stages	● ● ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Le attività suggerite sono quelle in ambito di linguaggi di programmazione e verifica del software, tramite analisi statica e interpretazione astratta. Aree di riferimento: informatica teorica, ingegneria del software, sicurezza, sistemi intelligenti. The suggested activities are on the fields of programmation languages and software verication, by mean of static analysis and abstract interpretation. Research areas: theoretical computer science, software engineering, security, intelligent systems.

Note ed informazioni aggiuntive / Remarks and additional info

La sede ospitante fornisce supporto per la sistemazione degli studenti presso casa degli studenti, a prezzo ridotto, accesso alla mensa e corso di francese gratuito prima dell'inizio dei corsi. The partner seat provides accomodation for students at student's House, at discounted fees, access to the canteen, and a free French language course before the start of the courses.

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Turkey
Eskisheir

ESKISHEIR

Eskisehir Osmangazi University
(Spoto Fausto)

Settori / Topics: Informatica / Computer Science

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Eotvos Lorand University (ELTE)

Hungary
Budapest
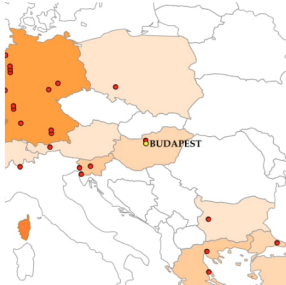
Eötvös Loránd University Budapest (ELTE)

Settori / Topics: Informatica / Computer Science

Eotvos Lorand University (ELTE)

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ●
Attività di laboratorio / Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ○
Tirocinio o stages / Internships or Stages	● ○ ○ ○ ○

## Ambiti scientifici suggeriti / Suggested scientific arguments

Informatica teorica, Ingegneria del Software, Sicurezza, Sistemi Cibersici, Sistemi Informativi, Sistemi Intelligenti, Sistemi Multimediali, Cryptography and Security, Algorithms and their Applications, Information Theory, Numerical Analysis, Computer Algebra, Programming Languages, Cartography and Geoinformatics.

Note ed informazioni aggiuntive / Remarks and additional info

Eotvos Lorand University Budapest (ELTE) is traditionally very strong in mathematics, now also computer science, world-famous famous alumni include Paul Erdos and Laszlo Lovasz. ELTE has a bachelor and master in Computer Science fully taught in English. Close contact with the Computer Algebra group, but thesis and specialization and/or course work in many other areas is also possible. Note that Computer Science at master level is also taught at the Dept. TTK (mostly theoretical comp.sc., discrete mathematics, algorithms). Depending on the choice of courses, Erasmus agreement with mathematics may be more suitable (discuss with coordinator!).

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ECE Paris Lyon, School of Engineering

France
Paris
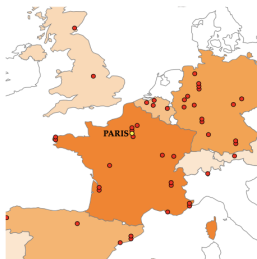
ECE Paris Lyon, School of Engineering
(Dai Pra' Paolo)

Settori / Topics: Ingegneria e Scienze Informatiche / Computer Science, ICT

UNIVERSITÀ di VERONA

ECE Paris Lyon, School of Engineering

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ● ● ○ ○
Frequenza corsi avanzati / Attending advanced courses	● ● ● ● ○
Attività di laboratorio / Laboratory activities	● ● ● ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ○
Tirocini o stages / Internships or Stages	● ● ● ● ○

## Ambiti scientifici suggeriti / Suggested scientific arguments

Financial Engineering, Statistical and numerical methods for Data Analysis.

Note ed informazioni aggiuntive / Remarks and additional info

ECE Paris is one of the main French Engineering Schools. Please contact Paolo Dai Pra' for more detailed information.

UNIVERSITÀ di VERONA

Université Côte d'Azur
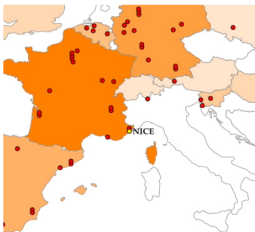
Université de Nice - Sophia Antipolis
(Quaglia Davide)

NICE

Settori / Topics: Ingegneria e Scienze Informatiche / Computer Science, ICT

UNIVERSITÀ
di VERONA

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	● ○ ○ ○ ○
Frequenza corsi avanzati / Attending advanced courses	● ○ ○ ○ ○
Attività di laboratorio / Laboratory activities	● ● ● ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ●
Tirocini o stages / Internships or Stages	● ● ● ● ●

Ambiti scientifici suggeriti / Suggested scientific arguments

Sistemi cibersici / Cyberphisical systems, Sistemi embedded di rete / Network embedded systems. Progetto, realizzazione e simulazione di s embedded con comunicazione wireless e energy harvesting. Tecniche di simulazione per sistemi misti discreti e continui. Design, realizzaci simulation of embedded systems with wireless communication and energy harvesting. Simulation techniques for mixed continuous and discrete sy

Note ed informazioni aggiuntive / Remarks and additional info

L'esperienza si colloca in uno dei più grandi campus tecnologici di Europa con più di 200 aziende ICT (ad es. Agilent, Cadence, Cisco, HP, IBM Intel, Orange, Philips, ecc.) e apre a successive possibilità lavorative e di Dottorato di Ricerca. Sistemi embedded di rete con Laboratoire d'Electronique, Antennes et Télécommunications (LEAT). Sistemi cibersici con Institut National de Recherche en Informatique et en Automatic (INRIA). NON è richiesta la conoscenza del Francese. Reale esperienza di ricerca internazionale con possibilità di scrivere pubblicazioni. Un bu modo per conoscere un'altra cultura, iniziare a costruire una rete di relazioni internazionali per la propria carriera. Infine, possibilità di passare r periodi di tempo in una regione ricca di attrazioni naturali e culturali.

UNIVERSITÀ
di VERONA

University of Thessaly

Greece
Volos

VOLOS

University of Thessaly
(Villa Tiziano)

Settori / Topics: Informatica / Computer Science

UNIVERSITÀ di VERONA

University of Thessaly

Attività consigliate nella sede / Suggested activities

Frequenza corsi di base / Attending basic courses	○ ○ ○ ○ ○
Frequenza corsi avanzati / Attending advanced courses	○ ○ ○ ○ ○
Attività di laboratorio / Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea / Degree Thesis	● ● ● ● ●
Tirocini o stages / Internships or Stages	● ● ● ● ●

Ambiti scientifici suggeriti / Suggested scientific arguments

Progettazione di circuiti digitali, algoritmi e librerie per la progettazione automatica di circuiti integrati, progettazione di circuiti digitali asincroni. Consigliato agli studenti dell'area di sistemi embedded per svolgere progetti di magistrale su argomenti negli ambiti precedenti. Presenti anche specialisti di reti (collaborazione con D. Quaglia).

UNIVERSITÀ
di VERONA

Instituto Politécnico
de Castelo Branco

Located in the inner central part of Portugal, Castelo Branco has easy and quick access to all the major cities in Portugal, by road, train or bus.

2h from Lisbon
2,5h from Oporto
1,5h from Coimbra
3h from Madrid, Spain

UNIVERSITÀ
di VERONA

Polytechnic Institute of Castelo Branco

Instituto Politécnico
de Castelo Branco

Instituto Politécnico de Castelo Branco
Escola Superior de Artes Aplicadas

Instituto Politécnico de Castelo Branco
Escola Superior de Educação

Instituto Politécnico de Castelo Branco
Escola Superior Agrária

Instituto Politécnico de Castelo Branco
Escola Superior de Saúde
Dr. Lopes Dias

Instituto Politécnico de Castelo Branco
Escola Superior de Tecnologia

Instituto Politécnico de Castelo Branco
Escola Superior de Gestão

School of technology:
Higher Professional degrees
• Automation and Industrial Management
• Electronic Systems and Computers
• Information Systems Technology and Programming
• Networking and Computer Systems
• Renewable Energy
• WEB and multimedia development
Bachelors (1st cycle)
• Civil Engineering
• Computer Science Engineering
• Electronics and Telecommunications Engineering
• Industrial Engineering and Management
• Informatics and Multimedia
• Renewable Energy Engineering
Masters (2nd cycle)
• Civil Engineering specialization in Sustainable Construction
• Computer Science Engineering

UNIVERSITÀ
di VERONA

Technical University of Cluj-Napoca
Riccardo Muradore

Activities

- Courses and exams
  ○ Laboratories
- Internships or Stages
- Thesis preparation

Topics

- ► Basic classes (1st year)
- ► Electronic
- ► Electrical measurements
- ► Biomedical instrumentation
- ► Medical informatics
- ► Biomechanics
- ► Biomedical signal processing
- ► ...
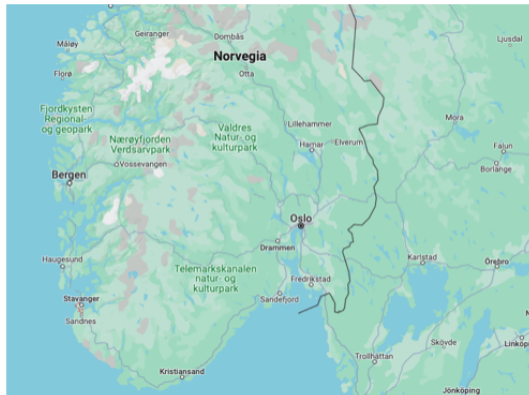
UNIVERSITÀ di VERONA

University of Stavanger
Graziano Pravadelli

Activities

- Courses and exams
  - Laboratories
- Internships or Stages
- Thesis preparation

Topics

- ► Probability and Statistics
- ► Automation
- ► Algorithm theory
- ► Data science
- ► Computer science
- ► Artificial Intelligence
- ► Modelling and Simulation

UNIVERSITÀ di VERONA

Andrea Giachetti

Activities

- Courses and exams
- Laboratories
- Internships or Stages
- Thesis preparation

Topics

- ► Data Science
- ► Machine Learning
- ► Big Data
- ► Artificial Intelligence and Intelligent Systems
- ► Computer Vision
- ► Cyber Security

UNIVERSITÀ di VERONA

Activities

- Courses and exams
- Laboratories
- Internships or Stages
- Thesis preparation

Topics

▶ Basic classes (1st year)

▶ Biomedical instrumentation

▶ Biomedical signals and images processing and analysis

▶ Medical devices (external and internal prosthetics)

▶ Tissue engineering (specifically for regenerative medicine)

▶ Telemedicine

▶ Medical robotics (minimally invasive surgery)

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di VERONA