



Alma Mater Studiorum - Università di Bologna

Partner presentation

Claudia Cevenini, Enrico Denti

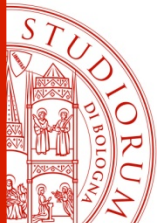
UNIBO



BISON

BISON Advisory Board Meeting, Madrid, 30 May 2016





ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

THE STUDIUM FOR OVER 900 YEARS

1088

STUDIUM
IN BOLOGNA

**OLDEST UNIVERSITY
IN THE WESTERN
WORLD**

CREATED
BY STUDENTS
AND
FOR STUDENTS

1988

MAGNA CHARTA
UNIVERSITATUM

THE **MAGNA CHARTA
UNIVERSITATUM**
CONFIRMS THE
ESSENTIAL ROLE OF
THE UNIVERSITY IN
CONTEMPORARY
SOCIETY

1999

BOLOGNA
DECLARATION

THE DECLARATION
CREATES THE
EUROPEAN HIGHER
EDUCATION AREA

BOLOGNA PROCESS

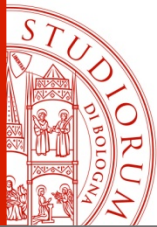
2012

NEW STATUTE
post-2010 reform

2010: UNIVERSITY
REFORM LAW

2012: IMPLEMENTATION

- Larger departments
→ DISI
- 11 (larger) Schools



UNIBO TODAY

Multi-campus university

- Bologna, Cesena, Forlì, Ravenna, Rimini
- 75% students in Bologna, 25% other campuses

86,000+ students

11 Schools

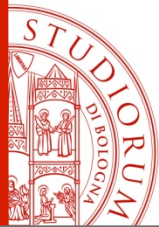
Agriculture and Veterinary Medicine	Arts, Humanities & Cultural Heritage
Economics, Management, Statistics	Foreign Languages & Interpreting
Pharmacy, Biotechnology, Sport Sc.	Medicine
Law	Psychology and Education
Engineering and Architecture	Political Sciences
Science	

- + 9 inter-department research centres
- + 7 regional research centres (CIRIs)

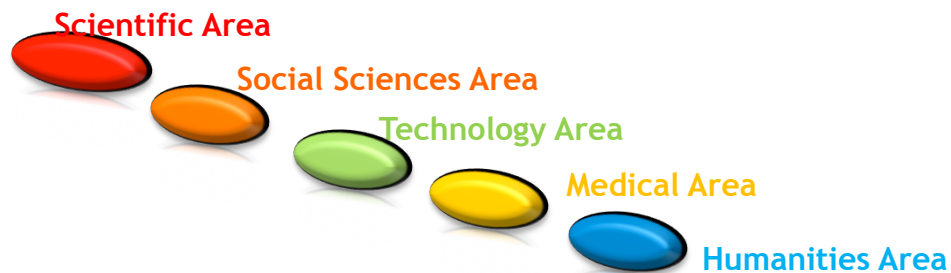


33 Departments

SCIENCES AND TECHNOLOGIES 14	MEDICINE 4
HUMANITIES 9	SOCIAL SCIENCES 6



A MULTIDISCIPLINARY RESEARCH UNIVERSITY

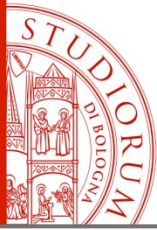


2,847 Teaching staff
734 Full professors
829 Associate professors
1,284 Researchers

Some facts & figures

11,000	RESEARCH PRODUCTS (annual average)
200	PATENTS GRANTED
>300	RESEARCH PROJECTS UNDER FP7 AND OTHER EU PROGRAMMES (from 2007 to September 2013)
10	NEW VARIETIES OF PLANTS DEPOSITED BETWEEN 2012 AND 2013
7	INTERDEPARTMENTAL CENTRES FOR INDUSTRIAL RESEARCH (CIRI) IN THE EMILIA - ROMAGNA HIGH TECHNOLOGY NETWORK
6	NATIONAL TECHNOLOGICAL CLUSTERS OF THE MINISTRY OF EDUCATION, UNIVERSITY AND REASEARCH

1,664	PhD CANDIDATES (until 2013)
1,268	RESEARCH FELLOWS (2012)
€6 Mln	IN RESEARCH FELLOWSHIP FUNDING
€11 Mln	PhD SCHOLARSHIPS



DISI

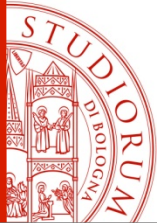
Department of Computer Science and Engineering

- Founded in 2012, following the University Reform Law
- Possibly the most relevant case of fusion between *computer scientists* and *computer engineers* in the Italian academia

The screenshot displays the official website of the Department of Computer Science and Engineering (DISI) at the University of Bologna. The header features the university's logo and the department's name in English. A green navigation bar contains links for Home, Department, Research, Phd Program, The University Reform, Made in Unibo Ambassadors, Welcome back, and Contacts. The main content area is divided into several sections: 'Degree programs' (offering a wide variety of programs), 'Research' (striving for excellence in scientific and technological contributions), 'Focus on' (providing information about the department and its headquarters), 'People' (listing faculty, postdoctoral researchers, and PhD students), 'News' (currently showing no news), 'Events' (currently showing no events), 'Department headquarters' (providing directions), 'Useful Links' (listing various university resources), and 'Online Services' (listing various digital services). The footer includes the website address www.disi.unibo.it.

www.disi.unibo.it

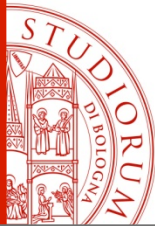
www.cse.unibo.it/en



DISI (continued)

Department of Computer Science and Engineering

- Expertise spanning over all topics connected with CS&E today
 - theoretical research
 - advanced computational technologies
 - all the interdisciplinary issues involving Informatics
- 70 full professors, 40 research associates, 90 doctorate students, 40 graduated research assistants, several visiting researchers
- involved in many national & international projects (15 in FP7)
- in charge of
 - 4 Laurea programmes (undergraduate level)
 - 3 Laurea Magistralis programmes (post-graduate level)
 - 1 Doctorate School
 - all the CS teaching activity in the whole UniBO



Main research topics & projects

Main inter-disciplinary legal topics

- data protection, security & privacy
- IT ethics, fundamental rights
- IPR
- electronic communications
- online services & consumer protection
- trust & reputation aspects

Main CS & E topics

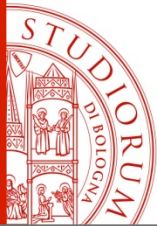
- intelligent systems
- coordination models & infrastructures
- programming languages & frameworks
- software engineering
- IT security
- pervasive systems

Some recent research projects

- 2010-2013: AWARENESS (*Self-Awareness in Autonomic Systems*) www.aware-project.eu
- 2010-2013: SAPERE (*Self-aware Pervasive Service Ecosystems*) www.sapere-project.eu
- 2011-2013: SemHealthCoord (*Semantic Health Coordination*) [www.hevs.ch/...](http://www.hevs.ch/)

Some relevant previous research projects

- 2004-2005: AGENTLINK III (*Coordination Action for Agent Based Computing*)
[included aspects of trust and reputation] www.agentlink.org
- 2003-2005: TRUST03 (*Trust and law in the Information Society*) www.cirfid.unibo.it/trust03/



UNIBO BISON team

Legal Informatics

Claudia Cevenini

Adjunct Professor of IT & Law
Ph.D in Legal Informatics

- Privacy issues in new technologies
- Personal data issues
- E-commerce, E-procurement, etc.
- AI & law, Software Agents & law
- Expert systems based on legal rules

Italo Cerno

Teaching Assistant in IT & Law
Ph.D in Legal Informatics

- Privacy issues in new technologies
- Behavioural (web) advertising
- Legal aspects in social networks
- Copyright protection issues

Computer Science

Enrico Denti

Associate Professor in Computer Science
Ph.D in Computer Science and Engineering

- Programming languages & computational models
- Multi-paradigm programming
- Coordination models, languages & infrastructures
- IT security & privacy issues
- Multi-Agent systems
- Software engineering

Andrea Omicini

Full Professor in Computer Science
Ph.D in Computer Science and Engineering

- Agents & Multi-Agent Systems
- Coordination models, languages & infrastructures
- Programming languages, models & paradigms
- Internet technologies & middleware
- Simulation
- Software engineering