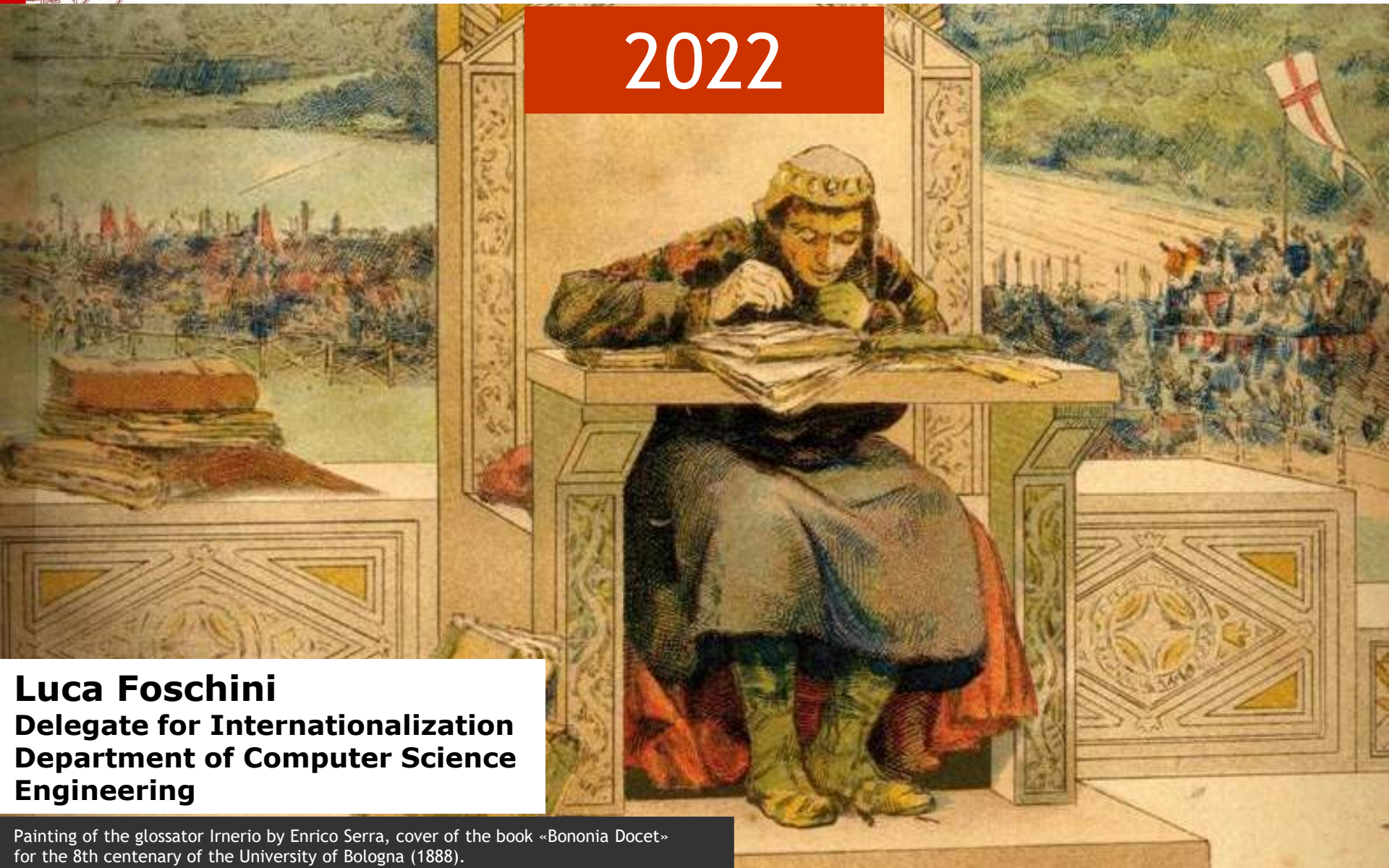


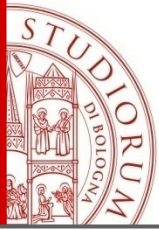
ALMA MATER STUDIORUM UNIVERSITA' DI BOLOGNA

2022

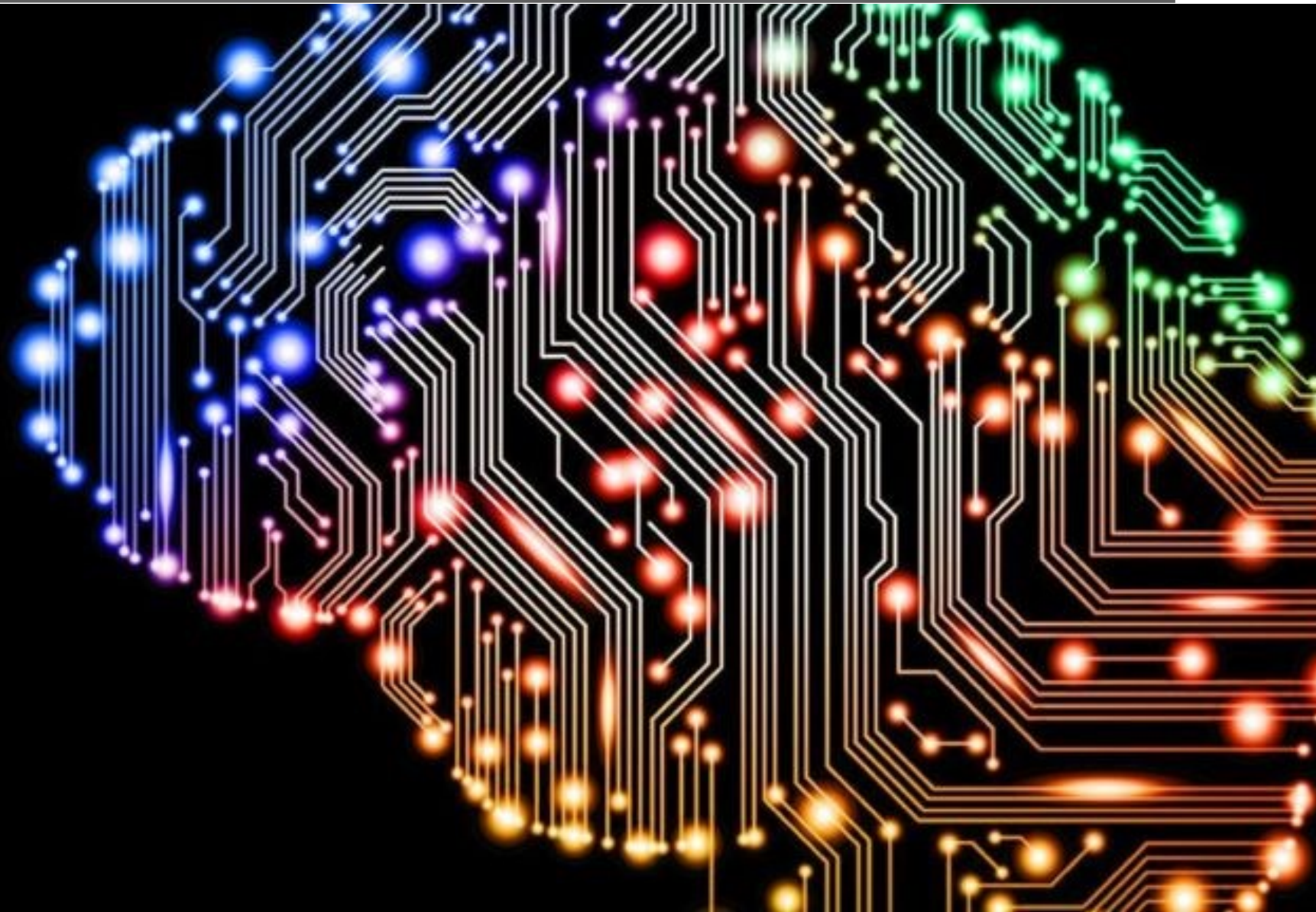


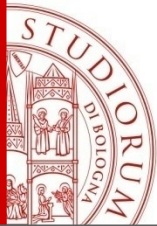
Luca Foschini
Delegate for Internationalization
Department of Computer Science
Engineering

Painting of the glossator Irnerio by Enrico Serra, cover of the book «Bononia Docet» for the 8th centenary of the University of Bologna (1888).



DISI

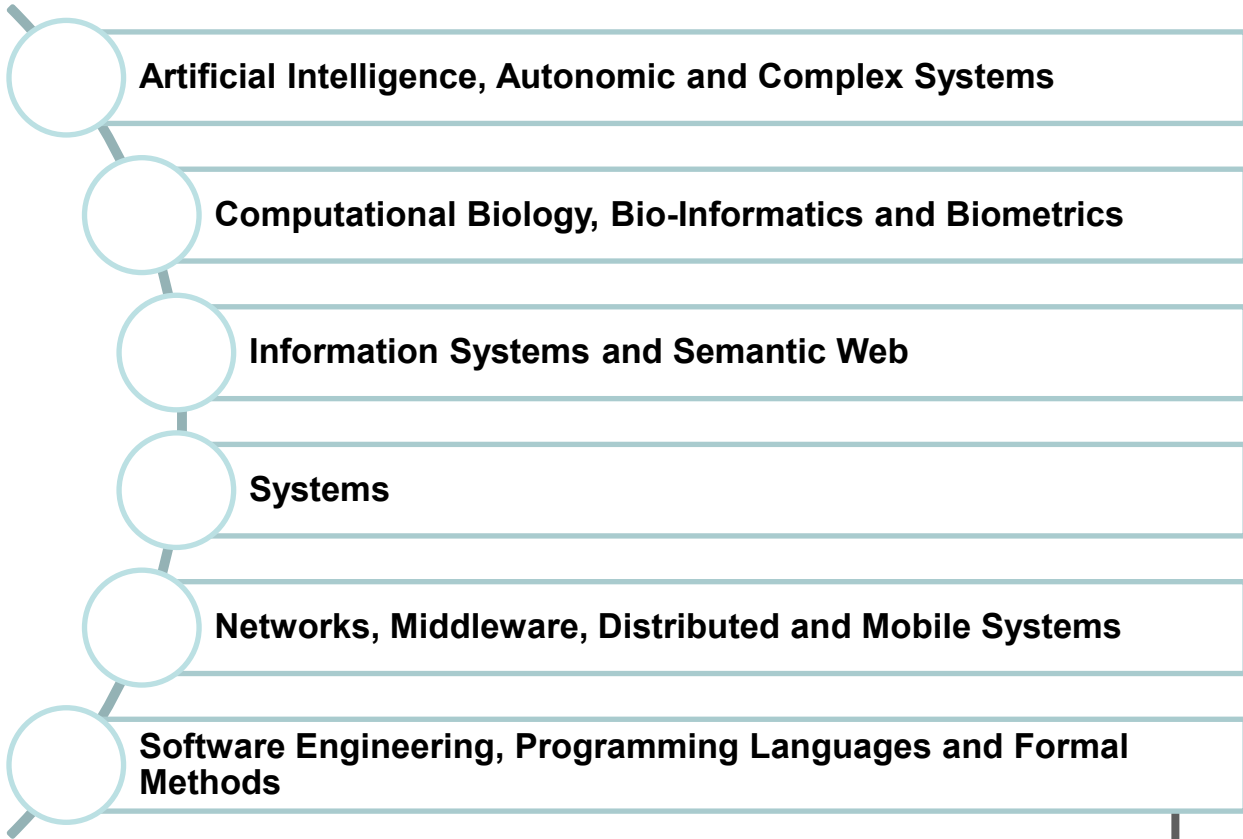


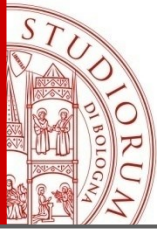


DIPARTIMENTO INFORMATICA - SCIENZA E INGEGNERIA

DISI is the single reference point for Computer Science and Engineering education, research and technology transfer at the University of Bologna.

**DISI
Research
Areas**





DIPARTIMENTO INFORMATICA - SCIENZA E INGEGNERIA

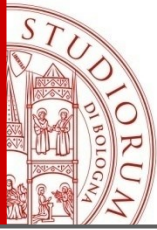
DISI offers a wide variety of degree options to suit different educational goals:

- 4 First level degrees/ Bachelor - 180 ECTS, 3 years
 - Computer Engineering
 - Computer Science
 - Computer Science and Engineering (Cesena)
 - Information Science for Management

- 4 Second level degrees/ Master - 120 ECTS, 2 years
 - Computer Engineering
 - Computer Science
 - Computer Science and Engineering (Cesena)
 - **Artificial Intelligence** (Bologna – English taught Degree)
 - **Digital Transformation Management** (Cesena – English taught Degree)

Further information can be found at:

<http://www.cse.unibo.it/en/degree-programs>



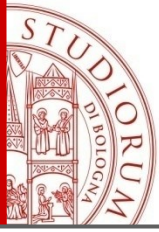
Internationalization plan: A success story of collaboration with Brazil

DISI (and UNIBO) needs and goals back in 2013...

- **Brazil is one of the country in the UNIBO internationalization trajectory**
- **Few incoming and outgoing students with Latin America**
- **Brazil is implementing the Science without Borders (Ciência sem Fronteiras) program providing several incoming and outgoing mobility opportunities** at different levels and UNIBO was the coordinating university for Italy
- DISI had a visiting professor for one year (**Prof. Carlos Roberto De Rolt from Universidade do Estado de Santa Catarina - UDESC**) under the Science without Borders program
- **UNIBO is part of the FIBRA foundation** bringing together companies and universities in Italy and embassy

DISI planned actions

- Boosting and amplifying connections and mobilities with Brazil
- Leveraging possibilities opened by Science without Borders
- Plan and actuate follow-ups seconded by funding opportunities available at both sides



Action 1: “Tecnologias inovadoras na gestão participativa da cidade inteligente”

Competitive call at the Brazil side

- Call “Tecnologias inovadoras na gestão participativa da cidade inteligente”, **years 2015-2017 to fund periods in Brasil of a ‘Special Visiting Reseacher’** (Pesquisator Visitante Especial - PVE) at the Universidade do Estado de Santa Catarina (UDESC), Florianopolis, Brasile
- Coordinator **Prof. Carlos Roberto De Rolt** and visiting researchers **Luca Foschini**
- Proposed project was an ICT project on **Mobile CrowdSensing (MCS)** project called ParticipActBrasil → **replicating existing efforts at UNIBO in Brazil** with involvement of students, but also potential cascade effects and possible implementation of Public-Private Partnerships (PPP) for the smart city management
- Seeded also further **incoming mobilities of PhD students from Brazil to Italy (sandwich one-year period) for 3 students from UDESC to UNIBO**

Florianópolis: uma cidade inteligente

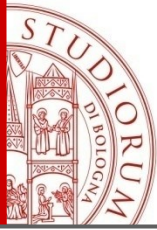


Baseado nos conceitos de *Smart City*, o projeto tem como foco inicial a cidade de Florianópolis

ParticipACT Brasil

Sistema de gestão sócio-técnica

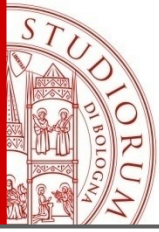




Action 2: FIBRA Call at UNIBO

Competitive call at the UNIBO side

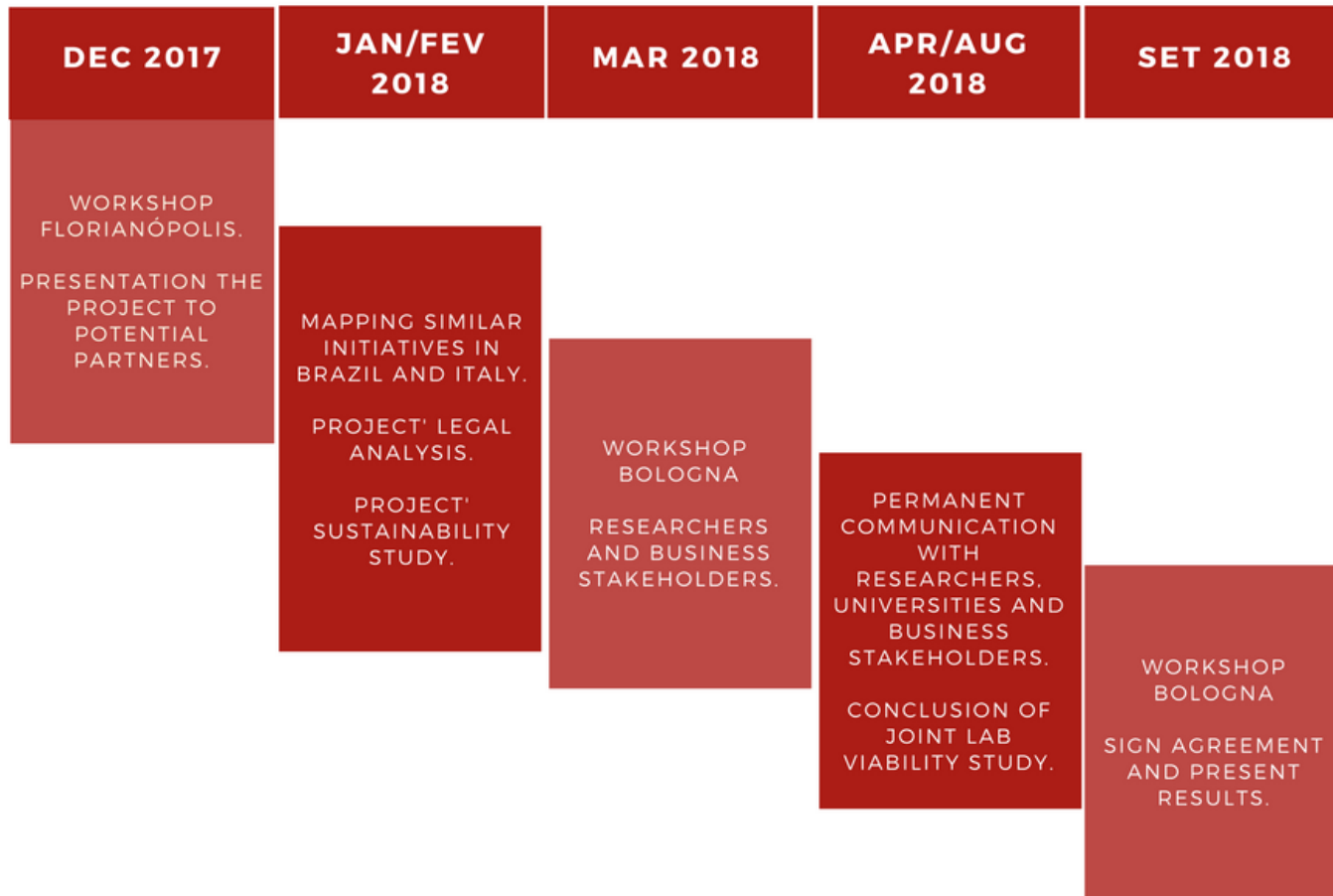
- The FIBRA foundation was funding **a competitive call at UNIBO** for proposing knowledge transfer / research projects to strengthen academic-industry collaborations
- We took advantage of this project to **build a network of Italian-Brazilian companies working in the area of Industry 4.0**. That allowed us also to further strengthen the collaboration between **UNIBO** and **UDESC**
- Spanning **year 2017-2018**

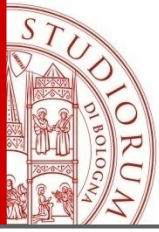


UDESC-UNIBO

Joint Lab on Big Data for Industry 4.0

Work directions





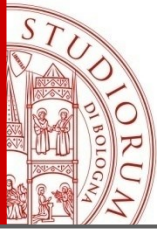
UDESC-UNIBO

Joint Lab on Big Data for Industry 4.0

Partners



The focus of this cooperation is a feasibility study of a new intercontinental Joint Lab model involving Brazilian and European institutions.



Unibo-UDESC Joint Lab on Big Data for Industry 4.0

DISI Antonio Corradi

Paolo Bellavista, **Luca Foschini**, Rebecca Montanari
Isam M. Aljawarneh, Domenico Scotece, Michele Solimando, ...

UDESC Carlos Roberto de Rolt

**Universidade de Estado de Santa Catarina (UDESC)
Florianopolis
Marcelo Brocardo, Julio Dias, Danilo Hasse, Gisiela Klein,
Eliza Gomes**

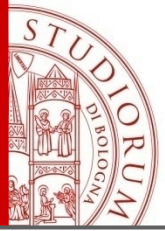
Neoway - Big data Analytics

<http://www.neoway.com.br> (Florianopolis)

Engineering do Brazil - IT services, application areas

<http://www.engdb.com.br> (San Paolo)

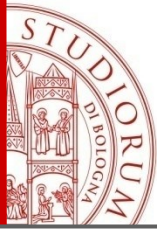
Imola Informatica - new IT Technologies, novel IT strategies



UDESC-UNIBO

Joint Lab on Big Data for Industry 4.0



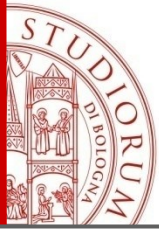


Action 3: Bando Strutture Call at UNIBO

After COVID-19... physical mobility again ☺

Competitive call at the UNIBO side

- UNIBO was funding **a competitive call** for realizing education / training initiatives to strengthen collaborations between UNIBO and partner universities in Brazil
- We took advantage of this project to **propose an online specialization course** that allowed us to further enlarge our network of collaborations with Brazilian universities, as this time we are collaborating with **University of Campinas (UNICAMP) – always one of the top universities in Latin America**
- Lateral goals: **foster mobilities of students in both directions between UNIBO and UNICAMP**
- Spanning **year 2022-2023**

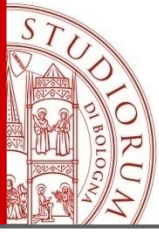


Bologna as a any time city

Bologna is full of other attractions... even night ones



Bologna has more the **nine centuries** of tradition in hosting students and people



Bologna as a city: la dotta (the wise)

Bologna other famous attractions

Two towers ++

One is the most leaning in Italy

Cuisine *****

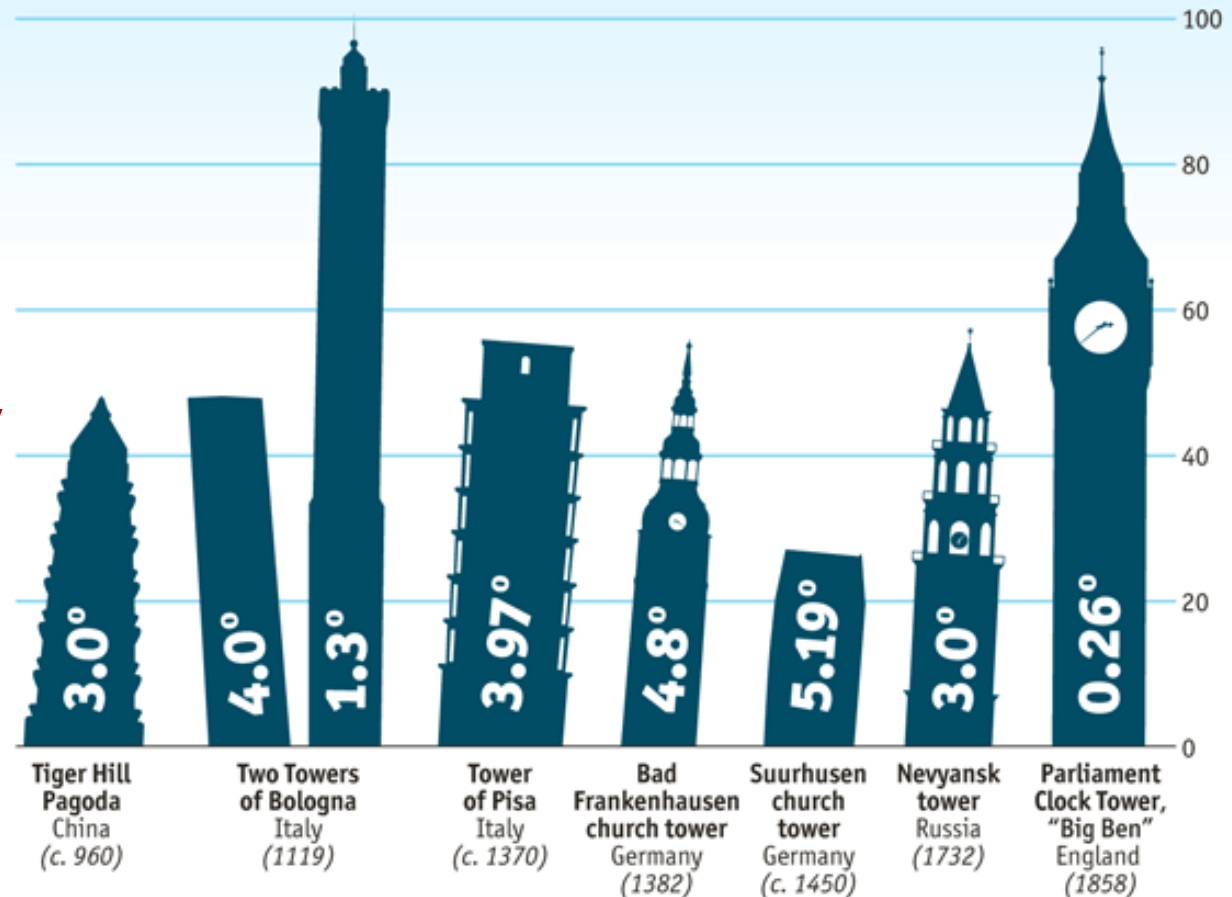
the 'fat' city in Italy – la grassa

Bricks

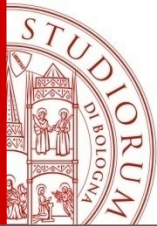
the 'red' city in Italy (bricks)

– la rossa

Selected leaning buildings
Height in metres, (year of completion)



Sources: National sources; Guinness World Records; press reports



Thank you



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Luca Foschini

luca.foschini@unibo.it