

Cerimonia di proclamazione dei Dottori di Ricerca, anno 2023



UNIVERSITÀ
DI PAVIA

3 aprile 2024

PhD Programmes 2023/2024

34 programmes in 3 main areas

16 of these programmes are carried on with other universities

Science and Technology (9)

- Bioingegneria, bioinformatica e tecnologie per la salute
- Computational Mathematics, Learning and Data Science (USI-Lugano)
- Design, Modeling and Simulation in Engineering
- Fisica
- **Ingegneria elettronica, informatica ed elettrica**
- Matematica (Milano Bicocca, Indam)
- Scienze chimiche e farmaceutiche e innovazione industriale
- Scienze della terra e dell'ambiente
- **Earthquake Engineering (IUSS)**

Life Science (8)

- Genetica, biologia molecolare e cellulare
- Medicina sperimentale
- Psychology
- Public Health and Lifestyle
- Scienze biomediche
- Translational and precision Medicine
- **Cognitive Brain Sciences (IUSS)**
- **Scienze biomolecolari e biotecnologie (IUSS)**

Dottorati nazionali (7)

- **Micro- and Nano-Electronics**
- One Health approaches to infectious diseases and Life science research
- ...

Humanistic and Social Science (10)

- Diritto privato, diritto romano e cultura giuridica europea
- Diritto pubblico, giustizia penale e internazionale
- Filosofia – FINO (Genova, Piemonte Orientale, Torino)
- Linguistica
- **Scienze e pratiche della comunicazione**
- Scienze del testo letterario e musicale
- Storia
- **Economics (Milano)**
- **Economic Sociology. Organisation and Labour (Milano, Bergamo)**
- **Political Studies (Milano, Genova, Cattolica Milano)**



Today's Degrees

Invited: 160 new Ph. Doctors

90 will attend:

- Science and technology: **34**
- Life science: **28**
- Humanistic and Social science: **28**



39-th cycle

295 scholarships offered

- Scholarships provided by the University: **240**
 - Base: **103**
 - PNRR DM 117/2023: **68**
 - PNRR DM 118/2022: **69**
- Facing Global Challenges program (BancaIntesa): **11**
- Scholarships granted by departments: **36**
- International programs: **10**
- External sources: **16**
- Other universities: **23**

Cost: **20.4 MLN EUR** (18.0 MLN from the University)

Executive PhD students: **14**

333 new students (from 267 in 38-th cycle)

843 total active PhD students in Academic Year 2023/2024
(from 702 in 2022/2023)



Executive PhD

39-th cycle:

- ABB Switzerland Ltd
- Bright Solutions Srl
- SACE SpA
- H-Ventures Solutions Srl
- Spindox SpA
- Infineon Technologies Srl 2
- United Micro Technology GmbH
- Fondazione Montagna Sicura
- A2A SpA
- Spin Applicazioni Magnetiche Srl
- Tenova SpA
- STMicroelectronics srl
- Infineon Technologies Austria AG



39-th cycle applications and enrollments

- Applications: **1 790** (from 1 303 in 2022/23)
 - Foreign: **38%** (from 33%)
 - Degree from other university: **83%** (from 72%)
 - Degree from foreign university: **36%** (from 29%)
 - Applications for the international scholarships: **8** (from 48)



2022/2023: highlights

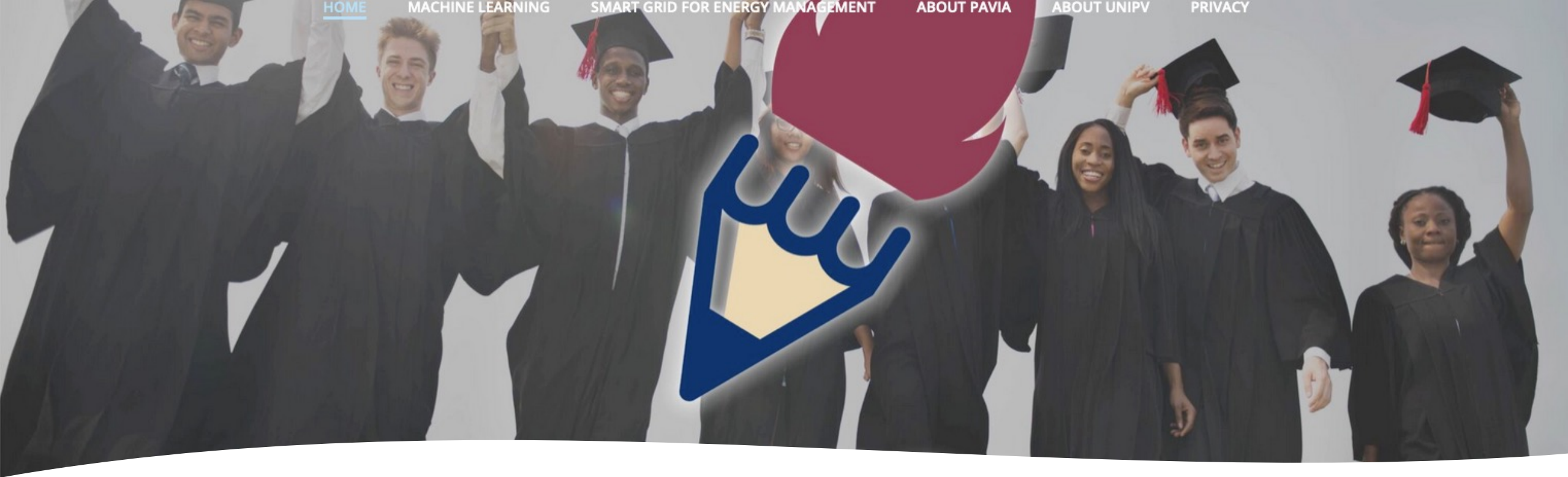


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International activities

- **Scholarships for foreign students: 7**
- ***Cotutelle*: 32**
- **Double degree agreement with USI (Switzerland)**
(Computational Mathematics and Decision Sciences)
- **Support for travelling abroad:**
 - **564** months abroad
(from 571 in 2022)
 - **5 continents**
- **15° edition of international mobility scholarships:**
 - **41** candidates (from 45)
 - **126** months abroad





Intensive schools

The Intensive School for Advance Graduate Studies (ISAGS) is an initiative, launched in 2020, whose mission is the organization of advanced and interdisciplinary courses selected by the Higher Education Board among those proposed by the Pavia Phd Schools

Intensive Schools: call 2023

- *Geography of Innovation;*
- *Innovative Radiotherapy Techniques;*
- *Essential soft skills for PhDs and ECR;*
- *Food Law e Agenda 2030;*
- *Liquid Interfaces, Drops and Sprays;*
- *Assessment of fouling alien species in ports and experimental applications.*





18.770
BORSE DI
DOTTORATO
PER L'ANNO ACCADEMICO
2023-2024

OGNE 10 MILIONI DI EURO

STANZIATI OLTRE **726**

PNRR scholarships D.M. 117 & 118/2023

13.292 INNOVATIVI

2.539 AMBITI PNRR

2.140 PUBBLICA
AMMINISTRAZIONE

410 DIGITAL & GREEN

389 PATRIMONIO CULTURALE



Ministero
dell'Università
e della Ricerca



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RICERCA

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PNRR: pubblicati i primi decreti per 7.500 borse di dottorato

Lunedì, 11/04/2022

Grazie a 300 milioni di euro di investimenti sono previste borse per dottorati di ricerca PNRR, per la pubblica amministrazione, il patrimonio culturale, per programmi dedicati alle transizioni digitali e ambientali e per dottorati industriali



PNRR scholarships – D.M. 117 & 118/2023

University of Pavia

- D.M. 118: 3.9 MLN EUR (from 1.7 MLN in 2023/23)
 - **69** scholarships (from 31)
 - **57** assigned (83% from 81%)
- D.M. 117: 5.01 MLN EUR (from 1.8 MLN)
 - **68** innovative scholarships (from 60)
 - **29** assigned (43% from 50%)



Satisfaction Questionnaire

I ANNO	II ANNO	III ANNO		DOMANDE PER I DOTTORI DI RICERCA
171	148	88	n. questionari	
7.8	7.7	7.0	<i>grado di accordo da 1 a 10</i>	[Sono complessivamente soddisfatto del Corso di Dottorato]



Looking forward



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Opportunities and challenges

Huge and temporary increase of funded positions

- Increased administrative and academic workload
- What beyond PNRR?

Quality assurance and periodic accreditation visit by ANVUR

- *Questionnaires*
- *Regulations and guidelines*
- *Advisory board(s)*

A glance on the future

- Review and redesign of Unipv doctoral educational offer
- Doctoral education, a key theme for the rectoral campaign:
 - Funding (e.g. renewal of Banca Intesa funded scholarships)
 - Doctoral students well-being and competition with other universities (scholarship amount)
 - Values: fast vs sound science



Ringraziamenti

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- I rappresentanti dei dottorandi e ADI Pavia



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