PhD in ENGINEERING AND APPLIED SCIENCES

Coordinator: Prof.ssa Alessandra Marini

Scientific Area: 01 - Mathematics and informatics
03 - Chemistry
08 - Civil engineering and architecture
09 - Industrial and information engineering
13 - Economics and statistics

Curricula:
- Technologies for Energy and Environment
- Technologies for the conservation, protection, restoration and environmental sustainability
- Technologies for computer science, automation and electronics
- Applied mathematics and statistics

<table>
<thead>
<tr>
<th>Duration</th>
<th>Positions</th>
<th>Positions covered by scholarships</th>
<th>Annual amount scholarships</th>
<th>Annual amount for research activity</th>
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<tbody>
<tr>
<td>3 years</td>
<td>3</td>
<td>3</td>
<td>€ 19.021,08*</td>
<td>€ 1.900,00</td>
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* before social security contributions borne by the recipient in accordance with current laws, paid out in monthly instalments. The amount is increased by 50% per any period of actual stay abroad for no less than 6 month and no more than 18 months, subject to authorization of the Teaching Body to operate abroad.

Scholarships:
- No. 2 financed by Dipartimento dell’Ingegneria Gestionale, dell’Informazione e della Produzione
- No.1 funded by Dipartimento di Scienze Aziendali

1. Project title: Advanced and innovative materials for the next-generation lightweight mobility
   Field: PNRR Project “Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile - Spoke 5 – Light Vehicle and Active Mobility
   Reference Professor: Prof. Sergio Lorenzi
   Code project MALI_P_22_RN_MIUR_AL_CNMS_01, CUP F13C22000690001

2. Project title: Additive materials characterization and qualification for industrial applications in harsh environment
   Field: PNRR Project Partenariato Esteso in area 11 – Made in Italy - Spoke 6: Additive Manufacturing as disruptive enabler for the twin transition;
   Reference Professor: Prof. Tommaso Pastore
   Code project DURS_G_22_RN_MIUR_AL_3A-ITALY_01, CUP F13C22001230001

3. Project title: Geostatistical harmonization of heterogeneous datasets and integration for the data platform AMELIA
   Field: PNRR Project Partenariato Esteso in area 9 - Sostenibilità economico-finanziaria dei sistemi e dei territori - Spoke 0: Data platform and knowledge transfer;
   Supervisor: Prof. Alessandro Fassò
   Code project VISM_S_22_RN_MIUR_AL_GRINS_01, CUP F83C22001720001
Modality of selection

Assessment of qualifications and interview

Type of estimable qualifications

Qualification assessments (up to 60 marks):
- *curriculum studiorum*: up to 30 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 20 marks.
- other qualifications, publications, reference letters from Italian or foreign academics: up to 10 points.

Interview (up to 30 marks):
- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate’s capacity to convincingly discuss project preconditions and goals): up to 25 marks;

Interview date:

12 January 2023 at 09:00 am (Rome time), eventually continuing 13 January, depending on the number of candidates participating to the interview.
The interview will be carried out either online or in person, depending on the Commission’s judgment, and in Italian.
PhD in LINGUISTIC SCIENCES

Coordinator: Prof.ssa Maria Grazia Cammarota

Scientific Area: 10 - Antiquities, philology, literary studies, art history

Curricula:
- General, typological and historical linguistics, philological traditions
- Applied and computational linguistics and linguistics of modern languages;
- Sociolinguistic and pragmatics

<table>
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Scholarships:
- No. 1 financed by Dipartimento di Lettere, Filosofia Comunicazione:

<table>
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<th>Project title:</th>
<th>Enhancing linguistic and cultural diversity</th>
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<tbody>
<tr>
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<td>Field:</td>
<td>PNRR Project Partenariato Esteso PE5 “CHANGES” - Spoke 3 Digital Libraries, archives and philology</td>
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<td>Reference Professor:</td>
<td>Prof.ssa Piera Molinelli</td>
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<td>Code project:</td>
<td>MOLI_P_22_RN_MIUR_AL_CHANGES_01 - CUP F53C22000700006.</td>
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Modality of selection
Assessment of qualifications and interview

Type of estimable qualifications
Qualification assessments (up to 60 marks):
- curriculum studiorum: up to 20 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 40 marks.

Interview (up to 30 marks):
- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate’s capacity to convincingly discuss project preconditions and goals): up to 15 marks;
- relevance of demonstrated knowledge in the subjects covered by the PhD program: up to 10 marks.

Interview date:
12 January 2023 at 10:00 hours (Italian time) eventually continuing on 13 January, depending on the number of candidates participating to the interview.
The interview will be carried out in person and in Italian.
PhD in TECHNOLOGY, INNOVATION AND MANAGEMENT (TIM)

Coordinator: Prof. Renato Redondi

Scientific Area: 09 - Industrial and information engineering

<table>
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Scholarships:
- No. 2 financed by Dipartimento dell’Ingegneria Gestionale, dell’Informazione, e della Produzione
- No. 2 funded by Dipartimento di Scienze Aziendali

1. Project title: Introduction of electric aircraft for passengers and freight: business opportunities and impact on carriers’ networks and airports
   Field: PNRR Project “Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile - Spoke 1) - Air mobility
   Reference Professor: Prof. Paolo Malighetti
   Code project MALI_P_22_RN_MIUR_AL_CNMS_01, CUP F13C22000690001

2. Project title: New and consumer-driven business models for resilient and circular supply chains
   Field: PNRR Project Partenariato Esteso in area 11 – Made in Italy - Spoke 7: New and consumer-driven business models for resilient and circular supply chain
   Reference Professor: Prof. Roberto Pinto
   Code project DURS_G_22_RN_MIUR_AL_3A-ITALY_01, CUP F13C22001230001

3. Project title: Digitalisation for the sustainability and inclusiveness of entrepreneurial finance
   Field: PNRR Project Partenariato Esteso in area 9 - Sostenibilità economico-finanziaria dei sistemi e dei territori - Spoke 4: Sustainable finance
   Reference Professor: Prof. Silvio Vismara
   Code project VISM_S_22_RN_MIUR_AL_GRINS_01, CUP F83C22001720001

4. Project title: Small and Medium Enterprises and Growth: The role of Innovation Ecosystems
   Field: PNRR Project Partenariato Esteso in area 9 - Sostenibilità economico-finanziaria dei sistemi e dei territori - Spoke 5: Innovation ecosystems for the circular economy
   Reference Professor: Prof.ssa Giovanna Campopiano
   Code project VISM_S_22_RN_MIUR_AL_GRINS_01, CUP F83C22001720001
Contracted structures: University of Naples “Federico II”

Modality of selection
Assessment of qualifications and interview

Type of estimable qualifications
Qualification assessments (up to 60 marks):
- curriculum studiorum: up to 20 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 40 marks.

Interview (up to 30 marks):
- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate’s capacity to convincingly discuss project preconditions and goals; evaluation of the candidate’s aptitude for scientific research): up to 25 marks;

Interview date:
12 January 2023 at 09:00 hours (Italian time) eventually continuing on 13 January, depending on the number of candidates participating to the interview.
The interview will be carried out via videoconference and in English.