



VERBALE

del Collegio Docenti del Dottorato di Ricerca "Advanced catalytic processes for using renewable energy sources" (ACCESS) del 14-02-2022

Agenda

ai sensi dell'art. 6 comma 2 del Regolamento del Dottorato di Ricerca dell'Università di Messina è convocato ad horas il Collegio Docenti del Dottorato di Ricerca in "Advanced catalytic processes for using reewable energy sources" (ACCESS) con modalità telematica con i seguenti punti all'O.d.G.:

1. Doctoral Partnership Agreement for Joint Thesis Supervision tra UniME e UAntwerpen per Federica De Luca.
2. [REDACTED] ci

Risultano partecipanti alla riunione i seguenti membri del Collegio di Dottorato:

- Membri del collegio (Personale Docente e Ricercatori delle Università Italiane): Gabriele CENTI, Siglinda PERATHONER, Claudio AMPELLI, Giovanna D'ANGELO, Salvatore ABATE, Paola LANZAFAME, Chiara GENOVESE, Girolamo GIORDANO, Massimo MIGLIORI, Maria Teresa CACCAMO
- Membri del collegio (Personale non accademico dipendente di altri Enti e Personale docente di Università Straniere): Annemie BOGAERTS, Pegie COOL, Emma PALO, Fausto GALLUCCI, Volker HESSEL, Gaetano IAQUANIELLO, Vera MEYNEN, Erik NEYTS, Evgeny REBROV, John VAN DER SCHAAF.

Risultano assenti:

- Membri del collegio (Personale Docente e Ricercatori delle Università Italiane): nessuno
- Membri del collegio (Personale non accademico dipendente di altri Enti e Personale docente di Università Straniere): nessuno.

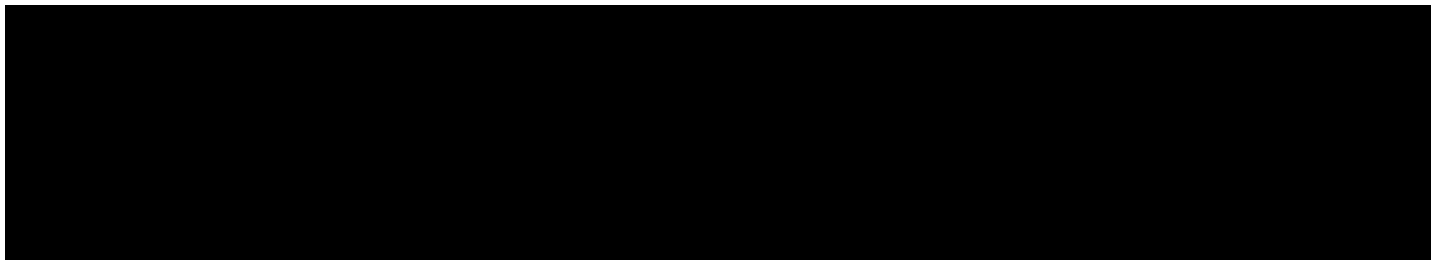
Risulta presente la maggioranza dei componenti del Collegio di Dottorato.

1. Doctoral Partnership Agreement for Joint Thesis Supervision tra UniME e UAntwerpen per Federica De Luca.

Il Coordinatore, prof. Gabriele Centi, fa presente che su indicazione degli Uffici, dopo l'approvazione della bozza prot. 7102 riguarda l'accordo di co-tutela di Federica De Luca, si rende ora necessaria l'approvazione della versione definitiva dell'Accordo per la Supervisione Congiunta di Tesi tra UniME e l'Università di Antwerpen a favore di Federica De Luca, iscritta al Corso di Dottorato Access XXXVI Ciclo, con titolo della ricerca "Utilizzo di energie rinnovabili per la conversione di prodotti da CO₂ a C₂+ su nanomembrane", che sarà condotta sotto la supervisione del prof. Abate e della prof.ssa Bogaerts. In allegato la versione definitiva della cotutela.

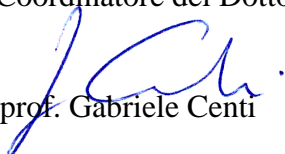
Si rappresenta l'urgenza di sottoscrivere l'accordo per consentire alla Dott.ssa De Luca di iscriversi presso l'Università di Antwerpen come previsto dall'accordo di cotutela.

Il Collegio del Dottorato approva all'unanimità.



Il Collegio del Dottorato approva all'unanimità.

Il Coordinatore del Dottorato


prof. Gabriele Centi



Doctoral Partnership Agreement for Joint Thesis Supervision

Doctoral Partnership Agreement for Joint Thesis Supervision

Between

Università degli Studi di Messina
Piazza Pugliatti 1, 98121 Messina (Italy),
Hereinafter referred to as “UNIME” (**Home Institution**),
represented by **Prof. Salvatore Cuzzocrea, Rector**,

and

Universiteit Antwerpen
Prinsstraat 13, 2000 Antwerp (Belgium)
Hereinafter referred to as “UAntwerp” (**Host Institution**),
represented by prof.dr. Ann De Schepper, (**Vice-Rector for Education**)

in which the aforementioned parties are jointly referred to as ‘*the partner institutions*’,

and **Federica De Luca**

Hereinafter referred to as ‘*the doctoral student*’,

in which the aforementioned parties are jointly referred to as ‘*the parties*’,

Taking into account the following:

The Framework Agreement (UNIME registration number 110994/2020) to establish an International Doctoral programme entitled “Advanced Catalytic Processes for using Renewable Energy Sources” with acronym “ACCESS”, in cooperation between UNIME (Italy), Universiteit Antwerpen (Belgium) and Technische Universiteit Eindhoven (The Netherlands) within the activities, regulated by the signed H2020 ERC SCOPE Grant Agreement 810182 of the common ERC Synergy grant SCOPE and in particular the Article 1 relating to the individual agreement/cotutelle and the Annex II;

And also:

For **UNIME** :

- the art. 4 of the Italian Law n. 210 of 03/07/1998, that provides for the Universities’ autonomy in setting up PhD courses within Universities’ governmental, educational and scientific autonomy, as modified by the Law n. 240 of 30/12/2010;
- the Italian Ministry of Education, University and Research Regulation concerning PhD programmes, issued with D.M. n. 45 of 08/02/2013 as superseded by D.M, n. 226/2021;
- the University of Messina Regulation concerning Research Doctorate course issued with the Rector’s Decree n. 1015/2016;
- the report of Academic Boards of UNIME that approves doctoral student’s application.

For **Universiteit Antwerpen**, the following regulations are in force:

- the Higher Education Code dated October 11th 2013, ratified by the Decree dated December 20th 2013;
- the Flemish Government’s decision of December 12th 2014 establishing the form of the higher education diploma and the content of the accompanying diploma supplement;
- the General PhD Regulations for obtaining the academic degree of doctor at the Universiteit Antwerpen, approved by the Board of Governors on March 31st 2020;
- the PhD Regulations of the Science Faculty of the Universiteit Antwerpen, approved by the Faculty Board on October 23rd 2014;

- the Research and Collaboration Agreement AUHA, the UAntwerp valorization Regulation, article 169 ter of the Decree concerning the universities and university colleges in the Flemish Community of June 12th 1991 (inserted by Decree of 14/07/98, as modified by Decree of 19/03/2004).

The following has been agreed:

Article 1 – JOINT THESIS SUPERVISION

The partner institutions hereby agree that they shall assume joint responsibility for the supervision of the doctoral student's doctoral research project, the organization of the doctoral examination and the award of a doctoral degree.

Doctoral student's personal details:

Surname and first name: **De Luca Federica**

Official address (for correspondence): Via Etruria, 10 – Gioia Tauro (RC) I-89013

Date of birth: September 7th, 1993

Place of birth: Taurianova (RC), Italy

Nationality: Italian

Registered as **doctoral student at UNIME at the doctoral course** Advanced Catalytic Processes for using Renewable Energy Sources ACCESS (XXXVI Cycle). Admission: February 3rd, 2021 Rectoral Decree 14791/2021.

At UAntwerp, the doctoral student was admitted to the doctoral programme in Science: Chemistry on January 11th, 2022 by the Chemistry department board.

Article 2 – SUPERVISION OF THE DOCTORAL STUDENT

The doctoral student shall be supervised by the following thesis advisors (supervisors):

- At UNIME (Home Institution):

- Name: Prof. Salvatore Abate
- Department: Department of Chemical, Biological, Pharmaceutical and Environmental Science
- Position: **Professor**

- At Universiteit Antwerpen (Host Institution):

- Name: Prof. Annemie Bogaerts
- Department: Department of Chemistry
- Position: **Professor**

The thesis advisors undertake to fully assume their responsibilities as the doctoral student's Supervisors, which includes holding consultations when required so as to be able to assess the progress being made in the research project.

The doctoral student should follow the official activities of the PhD program in Chemistry during her stay at Universiteit Antwerpen as provided by the two Supervisors.

Article 3 – ADMISSION TO DOCTORAL STUDIES AND DOCTORAL THESIS SUBJECT

At UNIME the doctoral student is enrolled for the first time in academic year 2020/2021 in the doctoral course in Advanced Catalytic Processes for using Renewable Energy Sources ACCESS (XXXVI Cycle).

The doctoral program lasts three years and will end on October 31th, 2023. The final ranking list scrolling the starting date of the doctoral programme of the doctoral student has been February 3rd, 2021 and she shall complete her research programme on February 2nd, 2024.

At Universiteit Antwerpen the doctoral student shall be registered in the doctoral program of Science: Chemistry for the joint thesis after the signature of this Agreement.

The two Universities agree that to allow the realization of De Luca's joint research thesis, the doctoral program last three years and will end on February 2nd, 2024. The doctoral student will have to publicly defend her thesis no later than the period April 2024 as provided in the following art 9.

At Universiteit Antwerpen the doctoral student will be allowed to use research and teaching services and facilities.

The subject of the doctoral thesis is:

“Renewable energy use for the conversion of CO₂ to C₂+ products on nanomembrane”.

The doctoral student is exempted from the requirements of the mandatory Doctoral Study Programme (DSP) at the Universiteit Antwerpen before proceeding to the defence of her PhD.

Article 4 – ENROLLMENT AND STUDENT SERVICE FEE

In accordance with the Articles 1, 2 and 3 of the Framework Agreement, the doctoral student must carry out the application process and enrolment procedures in both universities in accordance with the regulations of the respective institutions. Each academic year, the doctoral student is required to re-enroll with each of the partner institutions and pay the tuition fees as charged by the institution concerned. The doctoral student will pay the tuition fees at UNIME. Registration at the Universiteit Antwerpen requires payment of a tuition fee in the first year of registration, as well as the year of examination of defence.

Article 5 – AWARD OF THE DEGREE

If the doctoral student has passed the doctoral examination successfully as provided in the following art.9, she shall be separately awarded a degree by the partner institutions as follows:

- Dottore di ricerca (PhD) in Advanced Catalytic Processes for using Renewable Energy Sources ACCESS (UNIME)
- Doctor in de wetenschappen: chemie (Doctor of Science: Chemistry – PhD) (Universiteit Antwerpen)

On reception of the examination statement and report, UNIME delivers its doctoral degree. Universiteit Antwerpen also delivers its own Doctoral degree, with in both cases the full rights and prerogatives attached to these degrees. Both degrees must mention the collaboration between the partner institutions and that the PhD was jointly supervised by the partner institutions. The degrees must be delivered within a reasonable term, that is fixed at 3 months after the defence. The date of defence on both diplomas should be identical.

For UNIME the diploma will be drawn up by dottorati@unime.it , +39 0906768502. For the Universiteit Antwerpen the diploma will be drawn up by Tine Leonard: tine.leonard@uantwerpen.be +32 3 265 56 35.

Article 6 – INSURANCE COVER

Before starting her stay at Universiteit Antwerpen, the doctoral student shall procure adequate health insurance, insurance cover against physical injuries and civil liability whilst performing her duties pertaining to the doctoral research in compliance with the rules and national statutory regulations as applicable within the university. UNIME guarantees third party liability and accident insurance within the limits established by the Italian law. The student subscribes additional health and liability insurance guarantees from an insurance company of her choice. During mobility periods abroad, the doctoral student could also have insurance covering repatriation in case of accident or illness, as established in each University's regulations.

Article 7 – RESEARCH AT PARTNER INSTITUTION

The duration of preparation of the thesis is divided between the two partner institutions according to a balance and modalities defined by the supervisors and the Doctoral Student. As provided by the Framework agreement, the doctoral student will conduct research at Universiteit Antwerpen during at least 6 months (in alternate or consecutive research periods).

Article 8 – THESIS DEFENSE COMMITTEE

There will be only 1 Thesis Defense Committee. It shall be comprised of six members (academic professors in the same scientific area of the research thesis) including the two thesis supervisors. The thesis supervisors don't evaluate the candidate. In accordance with regulations in force, the Defense Committee contains a balanced number of members appointed by the two partner institutions. The Defense Committee must include at least two members external to both partner institutions. The Defense Committee will contain at least 1 member of the tenured academic staff (ZAP) at Universiteit Antwerpen. The two partner institutions, exchange any part of information and all documents relevant to the organization of the joint research thesis described in the present agreement. The institution deciding on the composition of the Thesis Defense Committee shall notify the partner institution on its decision.

Article 9 – DOCTORAL THESIS DEFENSE (PUBLIC DISCUSSION)

The doctoral student informs among others the student administration of the c (doctoraat@uantwerpen.be) by e-mail about the public defence at least three weeks before the defence will take place by using the electronic form "Information regarding the defence of the PhD thesis".

The public defence of the doctoral thesis shall take place in UNIME, but is duly recognized by all institutions involved.

The parties agree that the deadline for the submission of the final thesis is February 2nd, 2024.

According to the Italian law, to obtain the admission at the final examination, the thesis will be evaluated by two reviewers that are professors external to both partner institutions that don't participate in the final examination. If the evaluation of the external reviewers and of the Italian Board of professors, and the internal defense, is positive and they don't ask for modifications of the thesis, the final examination could take place in April 2024. If the evaluation of the reviewers and the Italian Board of professors is positive, but they ask for modifications of the thesis, the final examination could be postponed until at a maximum six months. In this case the final examination will be taken by July 2024.

The defense of the thesis can only take place after the partnership agreement has been signed by all parties.

Before the public defence, an internal defence will take place online according to the regulations of the Science Faculty at UAntwerp.

The doctoral student must provide a copy of the doctoral jury's deliberation report to the offices in charge of administering the students concerned and their diplomas within each of the partner institutions (for the Universiteit Antwerpen: diploma@uantwerpen.be).

Article 10 – LANGUAGE

The doctoral thesis shall be written in English. A summary and the conclusions of the doctoral thesis shall be supplied in ENGLISH. An abstract will be provided in Dutch as well.

The public defence of the thesis will be conducted in English.

Article 11 – PROTECTION OF RESEARCH RESULTS AND PROPERTY RIGHTS

Taking into account the articles 7 and 8 of the Framework Agreement, nothing in this agreement shall prejudice the rights of ownership of any party in and to its Background knowledge and relevant intellectual property rights existing prior to this agreement or generated outside the framework of the doctoral research.

'Background' shall mean information, techniques, know-how, software and materials – regardless of the form or medium in which they are communicated or registered – including any relevant intellectual property rights, made available before or after the date of this agreement by the party who owns them or who has rights on/in them, with the aim of using it in the implementation of the doctoral research.

'Results' shall mean the results, including but not limited to information and materials, regardless of whether they can be protected, and all related intellectual property rights arising from the doctoral research.

Each partner Institution shall be the sole owner of the Results, solely generated by its staff, including the doctoral student. Each partner Institution owner may decide at any time to protect his Results with any appropriate rights or title, such as patent application, in its own name and at its own costs in any country whatsoever, mentioning the inventor's name.

If, while carrying out the doctoral research, the partner institutions jointly contributed to Results in a way that these Results are indivisible and that it is impossible under applicable law to divide these Results for the purpose of applying for, obtaining and/or maintaining the relevant patent protection or any protection under other intellectual property right, the institutions shall be joint owners of these Results in proportion to their intellectual contribution to such joint Results (hereinafter "Joint Results").

The partner institutions will jointly act in submitting applications aimed at obtaining and/or maintaining appropriate protection for Joint Results, to be done in the name of both partner institutions. The partner institutions, represented by their respective technology transfer offices (as mentioned hereinafter), shall enter into a written agreement designating the partner institution that will take the lead in the procedures aimed at obtaining, maintaining and enforcing all relevant protection, the financing of such relevant protection and the apportionment of the rights resulting from the exploitation of the protected Joint Results. The other partner institutions will be notified in advance of the costs and revenues, based on the principle that the costs incurred or to be settled and the revenues obtained will be shared between the partner institutions in proportion to their share in the ownership of the Joint Results, unless otherwise agreed.

If an institution wishes not (any longer) to participate in the costs of the applicable protection of any Joint Result, then such institution shall forfeit all rights related to such protection, but shall be compensated from the proceeds for the costs related to such protection of the Joint Result it already has incurred. An institution that wishes not (any longer) to participate, shall retain free of charge, a non-exclusive license to use such Joint Results for internal non-commercial research purposes only.

All registered intellectual property rights (e.g. patents) related to Results shall be notified without delay in writing to the tech transfer office of each partner Institution.

Each partner institution shall have, free of charge, a worldwide, non-exclusive, non-transferable, non-sublicensable right to use all Joint Results for further internal non-commercial research and education purposes.

Notwithstanding the above, no prejudice is made to the Regulations on Copyrights on doctoral theses of each partner Institution applicable to the doctoral research.

Article 12 - PROCESSING OF PERSONAL DATA

The processing of personal data related to this call is carried out by the 2 partner institutions in accordance with the European General Regulation No. 679/2016 for the protection of personal data and the Code regarding the protection of personal data, Legislative Decree No. 196/2003 and subsequent amendments and additions.

Article 13 PROPERTIES OF RESULTS AND CONFIDENTIALITY

The intellectual and industrial property rights on the results that may be achieved by the doctoral student, including, but not limited to, software, industrial inventions that can be patented or not, knowhow, models, data and data collections, are regulated in accordance with current legislation and the University regulations and possibly, on the basis of what is established in the individual agreements with the Universities, Companies or Organizations involve.

Each party agrees not to disclose to any third party any information disclosed to it under this agreement and marked by the disclosing party as confidential or stated in writing to be confidential. This obligation shall remain in force for a period of five (5) years from the date of disclosure or from the termination date of this agreement, whichever is longer.

The above obligations of confidentiality shall not apply to information which i) was in the possession of the recipient prior to initial receipt of this agreement, ii) is now or later becomes generally available to the public without breach of this agreement, iii) is received without restrictions on its use or secrecy from a third party having the right to disclose such information, iv) the disclosing party gives the receiving party written permission to publish or use, v) the receiving party develops independently of any disclosure hereunder, or vi) the receiving party is required to disclose by law.

The doctoral student undertakes not to disclose any personal, confidential or secret files, data, information or manufacturing methods of either of the partner institutions or made available to him/her or that she might come to know of during the PhD study and she agrees to remain discreet both during and after the PhD study.

The doctoral student will not take or send any documents (or copies) which were entrusted to her during the execution of this PhD outside of the workplace.

The doctoral student acknowledges that, notwithstanding potential criminal charges and/or claims of damages, any breach of this article means the end of the PhD and possibly disciplinary measures by the partner institution.

Publication

Each publication or disclosure (including the doctoral thesis) of the Results of the doctoral research project shall be submitted for review to the other partner Institution (s) at the latest thirty (30) calendar days prior to the submission of the publication or presentation. The other partner Institution (s) may examine the proposal for a period of thirty (30) days and formulate proposals: (i) for removal of the Confidential Information

disclosed by such partner Institution, and/or (ii) to reasonably delay the publication to allow the protection of the Results. Such reasonable delays shall not exceed three (3) months from the date of receipt of the draft publication. In the absence of comments within the period of thirty (30) calendar days, the publication or presentation shall be deemed permitted.

Each partner Institution undertakes to collaborate to allow the timely submission, examination, publication and defense of any dissertation or thesis for a degree. Without detracting from any confidentiality obligation, such publication and defense may not be delayed for a period of more than six (6) months.

Publications should refer to the partner institutions' collaboration and, at either partner institution's request, shall name said partner Institution's staff members involved in generating the Results, taking into account the generally accepted authorship guidelines for scientific publications.

Article 14 – DEPOSIT COPY AND PUBLICATION OF THE PhD THESIS

Details regarding the deposit copy, authorial information and printing the PhD thesis are set out in the applicable regulations of each higher education institution.

The publication of the PhD thesis is guaranteed by both partner institutions in accordance with their applicable regulations.

Two hard copies of the thesis, as well as a digital copy of the thesis, will be handed in by the doctoral student to the central office of the library of the Universiteit Antwerpen (email: helpdesk@library.uantwerpen.be).

Article 15 – COMMENCEMENT AND VALIDITY OF THE AGREEMENT

The present agreement comes into force on the date of signature by the last signing party. It will expire either on the day after the diploma is awarded, or by a denial to further requests for (yearly) enrolment of the doctoral student at the institution. Such denial to reenrolment is possible after a negative evaluation of the doctoral student by the individual PhD commission and a negative advice of the faculty.

In the event the student fails to follow internal or external regulations and/or guidelines at either of the partner institutions, the current contract can be terminated with immediate effect by either of the partner institutions by notifying the other institution and the doctoral student in writing.

All parties will receive a copy of the fully signed agreement after the signing is complete.

Article 16 – SETTLEMENT OF DISPUTES

The stipulations of this agreement should not conflict with the provisions of the regulations at of the two partner institutions. Disputes must be resolved amicably through friendly bilateral consultations.

Agreement of Joint/Double Thesis Supervision

Drawn up in in four original copies,

For Universiteit Antwerpen (signature)

Vice-Rector for Education

- **Prof. dr. Ann De Schepper** _____

Date: _____

The Professors

Thesis Advisor

- **Prof. Annemie Bogaerts** _____

Date: _____

Agreement of Joint/Double Thesis Supervision

Drawn up in in four original copies,

For Università degli Studi di Messina (signature)

Rector

- **Prof. Salvatore Cuzzocrea** _____

Date: _____

The Professors

Thesis Advisor

- **Prof. Salvatore Abate**

Date: _____

PhD Programme Coordinator

Prof. Gabriele Centi

Date: _____

The Doctoral Student

Federica De Luca

Date: _____