UNIVERSITÀ CATTOLICA del Sacro Cuore

DECRETO RETTORALE N. 1367

Bando di concorso per l'ammissione al corso di Dottorato internazionale in *Science* presso l'Università Cattolica del Sacro Cuore - XLI ciclo – sede di Brescia

IL RETTORE

Visto lo Statuto dell'Università Cattolica del Sacro Cuore, emanato con decreto rettorale 24 ottobre 1996, e successive modifiche e integrazioni;

visto il regolamento generale di Ateneo dell'Università Cattolica del Sacro Cuore, emanato con decreto rettorale 26 ottobre 1999, e successive modifiche e integrazioni;

visto il Codice etico dell'Università Cattolica del Sacro Cuore, emanato con decreto rettorale 18 ottobre 2011, e successive modifiche e integrazioni;

vista la legge 5 febbraio 1992, n. 104;

visto il d.p.r. 9 maggio 1994, n. 487;

visto il d.p.r. 28 dicembre 2000, n. 445;

visto il d.lgs. 30 giugno 2003, n. 196;

vista la legge 30 dicembre 2010, n. 240, in particolare l'art. 19;

visto il decreto ministeriale n. 226 del 14 dicembre 2021;

visto il decreto ministeriale n. 930 del 29 luglio 2022, recante: «Disposizioni per consentire la contemporanea iscrizione a due corsi universitari»;

visto il Regolamento UE 2016/679 in materia di protezione dei dati personali (*General Data Protection Regulation),* pubblicato sulla Gazzetta Ufficiale Europea del 4 maggio 2016;

visto l'accordo per il corso di Dottorato internazionale in *Science* tra l'Università Cattolica del Sacro Cuore, la *Katholieke Universiteit Leuven (Belgium), la Pontificia Universidad Catolica de Chile Santiago (Chile) e l'University of Notre Dame du Lac - Notre Dame, Indiana* (USA), datato 12 maggio 2016;

visto il "*Gender Equality Plan* dell'Università Cattolica del Sacro Cuore", approvato dal Senato Accademico del 13 dicembre 2021 e dal Consiglio di Amministrazione del 15 dicembre 2021;

visto il proprio decreto n. 1098 del 26 febbraio 2025, recante: <<Modifiche al "Regolamento dei corsi di dottorato di ricerca e delle scuole di dottorato di ricerca dell'Università Cattolica del Sacro Cuore">>;

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valutata l'opportunità di avviare le procedure di selezione sotto condizione dell'accreditamento e della verifica di mantenimento dei requisiti di accreditamento da parte di ANVUR;

vista la delibera adottata dal Senato accademico, nell'adunanza del 19 maggio 2025;

vista la delibera adottata dal Comitato direttivo, nell'adunanza del 28 maggio 2025,

DECRETA

Art. 1

L'attivazione del corso di Dottorato Internazionale in *Science* – XLI ciclo, con sede amministrativa presso l'Università Cattolica del Sacro Cuore in accordo con la *Katholieke Universiteit Leuven (Belgium)*, la *Pontificia Universidad Catolica de Chile Santiago (Chile)* e l'*University of Notre Dame du Lac - Notre Dame, Indiana* (USA), secondo le disposizioni contenute nel documento allegato - in lingua inglese *(allegato 1)*, quale parte integrante del presente decreto.

Art. 2

La nomina dei membri del collegio dei docenti del corso di Dottorato di cui all'art. 1, i cui nominativi sono riportati in *allegato 2,* quale parte integrante del presente decreto.

Milano, 29 maggio 2025

IL RETTORE
(Prof.ssa Elena Beccalli)
F.to: E. Beccalli

IL DIRETTORE GENERALE
(Dott. Paolo Nusiner)
F.to: P. Nusiner

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ALLEGATO 1

Call for applications for the International PhD in Science at Università Cattolica del Sacro Cuore – XLI Cycle – Brescia campus

Art. 1
Opening

This Call indicates the Coordinator, the partner universities, the duration of the course, the number of positions available and the number of scholarships.

The number of studentships may be increased thanks to funding from public and private institutions, provided that the pertinent agreement is signed within the date of expiration of the present public announcement. Any subsequent amendments and/or additions to the call for applications will be publicized at https://dottorati.unicatt.it/concorsi

The activation of the PhD programme and the related selection procedures are under the condition of accreditation, the verification of the maintenance of the requirements by ANVUR.

Coordinator: Professor Masaru Kenneth KUNO - University of Notre Dame, Indiana (United States of America).

Duration: 4 years.

Positions: 3
Funded positions: 3

Information: https://scuoledidottorato.unicatt.it/phdschools/science-home?rdeLocateAttr=en

Details of the positions (see also https://scuoledidottorato.unicatt.it/phdschools/science-10695.html):

No. 1 scholarship: New approaches for measuring dry deposition of nitrogen and trace elements using Particulate Matter biosensors.

Background and motivation
Atmospheric Particulate Matter (PM) is a well-known threat to human health, but its role in altering terrestrial ecosystems dynamics is still scarcely understood. PM can act as a vector for the dry deposition of nitrogenous compounds and trace elements, which can

have detrimental effects on soil chemistry, plant physiology, and overall forest ecosystem health. While wet deposition processes are relatively straightforward to quantify through precipitation sampling and analysis, dry deposition remains poorly characterized due to the complexity of measurement techniques and the necessity for advanced instrumentation.

Dry deposition is influenced by numerous factors, including particle size distribution, meteorological conditions, surface characteristics, and land cover type. The most accurate methodology for assessing dry deposition fluxes is the Eddy Covariance (EC) technique, which provides high-resolution, continuous data on vertical fluxes of gases, matter and energy. However, EC requires specific, high-cost and high-frequency instrumentation, a stable power supply, and a sophisticated analytical approach, making its implementation challenging, particularly in remote or resource-limited regions (e.g. developing countries).

The primary objective of this research is to develop and validate novel techniques for assessing the dry deposition of nitrogenous species and trace elements associated with PM in forest ecosystems. Specifically, the research activity aims to:
1. Perform vertical flux measurements of PM using the EC technique in different forest ecosystems to establish reference data on deposition rates;
2. Develop and test biosensor-based methodologies utilizing moss bags and moss cubes as passive collectors for PM dry deposition;
3. Investigate the spatial and temporal variability of PM-associated nitrogen and trace element deposition through biosensor exposure under controlled experimental conditions;
4. Compare biosensor-derived deposition estimates with EC-based measurements to evaluate the reliability and accuracy of this alternative approach;
5. Analyze biosensor deployment strategies to distinguish between lateral advection and vertical fluxes while eliminating the confounding effects of wet deposition.

This study will integrate traditional atmospheric physics techniques with innovative biosensor-based approaches for a comprehensive assessment of PM dry deposition.
The research will be conducted in collaboration with the University of Navarra (Spain) taking advantage of their expertise in biological material preparation and advanced chemical analysis.

By providing a cost-effective and adaptable approach to PM deposition assessment, this research will support long-term environmental monitoring and inform mitigation strategies aimed at preserving forest health and biodiversity.
The collaboration between the Università Cattolica del Sacro Cuore and the University of Navarra will ensure a multidisciplinary perspective, combining expertise in atmospheric physics, biogeochemistry, and ecological monitoring.

Candidate Profile

- Master's degree or comparable qualification in Physics, Biology, Chemistry, Environmental Science or adjacent fields. The title must be obtained before October 31st, 2025;
- A strong interest in multidisciplinary research is desirable (in particular, Atmospheric Physics, Chemistry, Biology and Ecology);
- Candidates should have a solid background in the field of the project;
- Good knowledge of the English language, both spoken and written, is essential;
- Strong commitment, ability to work in a team, and eagerness for international mobility is desired.

Opportunities
- Research participating to the international collaboration between Università Cattolica del Sacro Cuore and Universidad de Navarra Pamplona with at least one year spent in both institutions;
- Double degree opportunity;
- The candidate will benefit from a large existing network of collaborators whose expertise covers both atmospheric physics, biomonitoring, ecology and chemistry;
- Opportunity to obtain the Ph.D. title from Universidad de Navarra Pamplona and from Università Cattolica del Sacro Cuore.

Supervisors
- Prof. Giacomo Gerosa, Università Cattolica del Sacro Cuore, Brescia campus, Italy, giacomo.gerosa@unicatt.it;
- Prof. David Elustondo, Universidad de Navarra Pamplona, Spain, delusto@unav.es;
- Prof. Riccardo Marzuoli, Università Cattolica del Sacro Cuore, Brescia campus, Italy, riccardo.marzuoli@unicatt.it.

No. 1 scholarship: Solving problems on cubic graphs and snarks using computational and theoretical methods

Background and motivation

In this project we consider problems about the structure of graphs, which are objects consisting of a set of vertices and a set of edges. Graphs are often used to model real life objects such as road networks or molecules. Many important open problems and longstanding conjectures in Graph Theory (i.e., the study of graphs), which are stated for large families of graphs, can be reduced to cubic graphs (i.e., graphs where every vertex is incident with exactly three edges). That is: if these problems can be solved for cubic graphs, they are solved for all graphs.

One of the most emblematic examples where this is the case is the famous Four Color Theorem [1], but many other important conjectures like the Cycle Double Cover Conjecture [6,7] and the Tutte's 5-flow Conjecture [8] can be reduced to the class of cubic

graphs. This is one of the main reasons why the study of cubic graphs is one of the most active core topics in graph theory. Next to that, cubic graphs also have applications in other areas such as chemistry, where they can be used to model chemical molecules such as the Nobel-Prize winning fullerenes [5].

For many of the aforementioned conjectures it has been proven that they are true for cubic graphs admitting a 3-edge-coloring (i.e., a coloring of the edges of the graph with three colors in such a way that adjacent edges are colored differently), and that they are very hard to solve for cubic graphs not admitting a 3-edge-coloring. In particular, it has been shown that if such conjectures are not true, a smallest counterexample must be a snark, i.e., a cubic graph not admitting a 3-edge-coloring and having some other additional properties on the girth (i.e., length of a shortest cycle) and the cyclic edge-connectivity. This makes snarks a particularly interesting and important class of graphs.

In this project we therefore aim to study properties of snarks which are relevant in the research panorama of modern Graph Theory. To do this, a common and highly successful approach consists in defining parameters measuring how far a snark is from being 3-edge-colorable, see for example [3]. Such parameters are very important as they allow to fix substructures in the snarks which should help to prove statements. For example, the resistance of a snark G is the minimum number of edges that need to be removed from G to obtain a graph which admits a 3-edge-coloring. An open problem could now be investigated in a restricted subclass of snarks (for example snarks with resistance at most 2). As these subclasses have a more restricted structure, we have more tools at our disposal and the problem should be easier to solve. The proofs of these restricted problems could then be used as stepping stones to solve the original problems.

Another approach consists of tackling problems through computational techniques. For example, in [2] all snarks on up to 36 vertices are generated and many of their properties are verified through computer tests. Generation and computer tests on small snarks are very powerful tools for checking structural properties of small snarks and possibly finding counterexamples to conjectures (e.g., using the new lists of snarks from [2], 22 published conjectures were disproved).

The aim of this doctoral project, held in cooperation with KU Leuven, is to investigate snarks and their properties with respect to the major conjectures in the field. An example of an important open problem which we would like to look into is the Petersen Coloring Conjecture [4], claiming that every bridgeless cubic graph admits a normal 5-edge-coloring (i.e., a 5-edge-coloring with additional properties on the number of colors appearing around each vertex). The innovative approach that we have in mind consists of combining computational and theoretical techniques. Generation and computer tests on snarks are indeed great tools which help develop intuition and elaborate strategies to prove general theorems on snarks. We thus plan to perform computer tests on relatively small snarks and use the obtained insights to prove the existence of normal 5-edge-colorings in subclasses of snarks. Such results will be useful stepping stones for an

eventual proof of the full conjecture. The candidate will therefore develop expertise both on the theoretical and the computational aspects of graph theory and will benefit from a large existing network of collaborators whose expertise covers both theoretical and computational graph theory.

References

[1] K. Appel, W. Haken, Every Planar Map is Four Colorable, Bull. Amer. Math. Soc. 82:711-712, 1976.
[2] G. Brinkmann, J. Goedgebeur, J. Hägglund, K. Markström, Generation and properties of snarks, J. Combin. Theory Ser. B., 103:468-488, 2013.
[3] M. Fiol, G. Mazzuoccolo, E. Steffen, Measures of Edge-Uncolorability of Cubic Graphs, Electron. J. Comb., 25, P454, 2018.
[4] F. Jaeger, Nowhere-zero flow problems, Selected topics in graph theory 3, Academic Press, San Diego, CA, 71-95, 1988.
[5] H. W. Kroto, J.R. Heath, S.C. O'Brien, R.F. Curl, and R.E. Smalley, C60: Buckminsterfullerene, Nature, 318(6042):162-163, 1985.
[6]. P. D. Seymour, Sums of circuits, In: Graph theory and related topics (Proc. Conf., Univ. Waterloo, Waterloo, Ont., 1977), Academic Press, New York, 341-355, 1979.
[7] G. Szekeres, Polyhedral decompositions of cubic graphs, Bull. Aust. Math. Soc., 8:367-387, 1973.
[8] W. T. Tutte, A contribution on the theory of chromatic polynomial, Canad. J. Math. 6, 89-91, 1954.

Candidate Profile

- Master's degree or comparable qualification in Mathematics or adjacent fields. The title must be obtained before October 31st, 2025;
- A strong interest for multidisciplinary research is desirable (in particular, Mathematics and Computer Science);
- Candidates should have a solid background in the field of the project;
- Good knowledge of the English language, both spoken and written, is essential;
- Strong commitment, ability to work in a team, and eagerness for international mobility is desired.

Opportunities

- Research participating to the international collaboration between Università Cattolica del Sacro Cuore and KU Leuven with at least one year spent in both institutions.
- Double degree opportunity;
- The candidate will benefit from a large existing network of collaborators whose expertise covers both theoretical and computational graph theory;
- Opportunity to obtain the Ph.D. title from KU Leuven and from Università Cattolica del Sacro Cuore.

Supervisors

- Prof. Dr. Marco Antonio Pellegrini, Università Cattolica del Sacro Cuore, Brescia campus, Italy marcoantonio.pellegrini@unicatt.it;
- Prof. Dr. Jan Goedgebeur, KU Leuven, Belgium jan.goedgebeur@kuleuven.be;
- Dr. Jorik Jooken, KU Leuven, Belgium jorik.jooken@kuleuven.be;
- Dr. Davide Mattiolo, KU Leuven, Belgium davide.mattiolo@kuleuven.be.

No. 1 scholarship: Methods and models for pricing and managing financial risks related to climate change and the green transition

Background and motivation

Climate change and the green transition carry many risks that can undermine the stability of the financial system. Properly assessing and managing these risks and identifying ways to incentivize the green transition pose a major challenge. At the scientific level, this challenge requires new models and methods.

To this end, the PhD student will work on quantitative assessing the impact of climate-related financial risks encompassing physical risks (e.g., extreme weather events, rising sea levels) and transition risks (e.g., regulatory changes, technological shifts) associated with the transition to a low-carbon economy. Moreover, (s)he will also focus on the possible mechanisms and policies to encourage green transition and study their economic effects.

The project consists of two phases. The first phase, to be carried out at UCSC, is dedicated to the development and implementation of models—primarily asset pricing and credit risk models—as well as related methodologies. The second phase, based at KU Leuven, focuses on testing these financial models. The goal is to investigate model risk in the context of climate finance, with particular attention to identifying and evaluating assumptions that can significantly influence impact estimates. This phase also involves developing strategies to mitigate model risk.

Candidate Profile

- Master's degree or comparable qualification in Finance, Mathematics, Mathematical Engineering or related fields. The title must be obtained before October 31st, 2025;
- A strong interest for multidisciplinary research is required;
- Previous experience in the topics of the project are welcome but not required;
- Candidates should have a solid background in the field of the project;
- Good knowledge of the English language, both spoken and written, is essential;
- Strong commitment, ability to work in a team, and eagerness for international mobility is desired.

Opportunities

- Experimental research participating to the international collaboration between Università Cattolica del Sacro Cuore and KU Leuven with at least one year spent in both institutions;
- Double degree opportunity (PhD in Science from Università Cattolica del Sacro Cuore and PhD in Mathematics from KU Leuven).

Supervisors
- Prof. Davide Radi, Università Cattolica del Sacro Cuore, Milan campus, Italy davide.radi@unicatt.it;
- Prof. Wim Schoutens, KU Leuven, Belgium, wim.schoutens@kuleuven.be.

Art. 2
Assessment procedure

The comparative evaluation of candidates applying to the International PhD in Science aims to discern the candidate's aptitude for and interest in the scientific research proposed in the Research Program. The examination panel reserves the right to ask for an online interview.

Art. 3
Admission requirements

Application for participation in the competition, with no restrictions with respect to age and nationality, is open to candidates holding a Master's degree, or an Italian university degree obtained under the education system prior to Italian Ministerial Decree no. 509 of November 3rd, 1999 or a second-level university qualification obtained abroad and deemed eligible.

Application for participation is also open to candidates due to obtain one of the above-mentioned qualification by October 31st, 2025. In this case, examination candidates shall provide the Examination Panel with a self-declaration form attesting graduation or a qualification from a foreign university. Failure to do so will be cause for invalidation of the application.

Italian, EU and non-EU candidates who obtained, or will obtain, a qualification abroad, by October 31st, 2025, for the sole purpose of admission to the PhD Programme shall request recognition of its eligibility in the PhD Programme application form. To this end, the application shall be accompanied with appropriate documentation to enable the Examination Panel to rule on the request for eligibility.

Art. 4
Application form

Candidates who intend to participate in the competition must submit an application to

the Rector of Università Cattolica del Sacro Cuore by **Monday July 7th, 2025.**

The application form is available at https://dottorati.unicatt.it/concorsi until 12:00 p.m. (CEST) of the expiration date of the present public announcement.

In the application form, to be filled in English and online only, candidates shall declare under their responsibility:

- the choice of at least one of the research projects offered by Università Cattolica del Sacro Cuore;
- personal information: surname, first name, fiscal code (for Italian nationals only), date and place of birth, citizenship, residence and domicile elected for the purposes of the competition;
- for graduate students: qualification, date it was obtained and name of the conferring university;
- foreign languages known besides English.

Candidates must complete their application with the following documents – upload format .pdf or .jpg:

- a detailed *curriculum vitae* written in English;
- self-certified Master's degree document with final mark and exams transcript, or certification of qualification obtained abroad with final mark and exams transcript translated in English. A self-certified translation will be accepted for the purpose of selection;
- certification of any other qualification, such as postgraduate and advanced specialisation degrees, obtained in Italy and/or abroad; a copy of any other qualification considered useful for the purposes of the comparative evaluation. The documentation must be translated in English. A self-certified translation will be accepted for the purpose of selection;
- a list of the publications deemed useful for the purposes of the comparative evaluation;
- an identification document, duly signed;
- fiscal code (for Italian nationals only);
- card-size photograph;
- students with a degree obtained or to be obtained in NON-EU countries shall provide a translation, authentication and a certificate of equivalence of qualification of their foreign degree certificates, issued by the Italian Consulate/Embassy representative offices in the countries where they have obtained/will obtain the degree.

Candidates may also preferably complete their application with the following documents:

- two references letters written in English. The letters shall be sent directly by the writer to the phd.science@unicatt.it within the date of expiration of the present public announcement;
- for non-native speakers of English, a certificate attesting adequate proficiency in

English, such as:
- FCE;
- CAE;
- CPE;
- BEC
- *British Chamber of Commerce*;
- *Trinity College*;
- TOEFL;
- IELTS;
- or certificate of the kind deemed useful to prove proficiency in English.

In case of absence of an adequate English proficiency certificate, the Examination panel will verify the English proficiency during the oral interview.

The application is complete and valid only after having paid the participation fee of € 50,00 (non-refundable) for the selection to be paid online by credit card after uploading the .pdf of the application, which it is generated at the end of the upload path of all documents.
To confirm the successful registration to the selection exam, the candidate will receive a confirmation email from the Università Cattolica del Sacro Cuore Doctorates Office.

The University reserves the right to adopt measures for the exclusion of candidates who do not have the prerequisites required or did not comply with the indications of the public announcement, also after the competition-related examinations have taken place.

Candidates with disabilities, in order to attend the selection examination, must specify in their application the aid required in relation to their disability, in accordance with Italian Law no. 104 of February 5th, 1992.

Art. 5
Selection Board

The Examination Panel of the comparative evaluation for admission to the PhD Programme in Science is appointed by Rector's Decree for the competition-related examinations.
For each project/scholarship published within the present call, the Examination Panel will consist of three academics/researchers pertaining respectively to the PhD Research topic.
The composition of the Panels will be published, after the expiration date of the present public announcement, at https://dottorati.unicatt.it/concorsi
In a preliminary meeting the Examination Panels shall define the criteria for the comparative evaluation necessary for a single merit-based ranking to be drawn up. These criteria will be published, as by law enacted, at https://dottorati.unicatt.it/concorsi

Art. 6
Admission to the PhD Programme

Candidates are admitted to the International PhD in Science according to the ranking, until the established number of positions have been filled.

The results of the competition in the form of a single merit-based ranking will be published at https://dottorati.unicatt.it/concorsi

Students who have been awarded a research grant, unless otherwise specified, may be admitted to the PhD Programme in supernumerary, without being awarded a scholarship, subject to passing the admission tests, provided that the PhD Programme in which they participate concerns the same scientific area of research for which they are recipients of grants.

Art. 7
Enrolment

The winners of the competition must complete the registration within 3 days starting from the day following the one in which the related email with the invitation will be received, by accessing the following website: https://iscrizioni.unicatt.it/iscrizioni/

Art. 8
Aid and studentships

Tuition fees for the International PhD in Science at Università Cattolica del Sacro Cuore are set annually by the Board of Directors.
PhD students are required to pay tuition fees annually amounting to € 836,00, to be paid in two instalments: the first (of € 536,00) upon enrolment and the second (of € 300,00) on April 30th each year.

For the Italian law, a scholarship on the PhD programme is compatible with other income (also earned on a regular basis) in the calendar year of the scholarship, provided that such income does not exceed the scholarship itself. Should these income limits be surpassed, the scholarship shall be revoked for the year in question. Students with scholarships shall annually declare the income and notify of any excess of the prescribed limits.

The scholarships are renewed annually, provided that the PhD students have completed the programme of activities set for the previous year.

The amount of the studentship, paid in monthly instalments, is € 16,243.00 per year, before social security charges. The studentship is subject to the payment of social security contributions (INPS specific management) pursuant to Art. 2, Paragraph 26, of Italian Law 335 dated of August 8th, 1995, and subsequent amendments. The

studentship is exempt from local income tax and personal income tax (IRPEF).

The studentship amount shall be increased by max. 50%, for a period not over 12 months pursuant to Art. 9, Paragraph 3 of the Ministerial Decree 226/21, if the PhD student is authorised by the Teaching Panel to conduct research abroad.

Starting from the first year, to each PhD student, with or without a studentship, is granted a sum covering research activities in Italy and abroad amounting to 10% of the annual gross amount of the studentship, equal to € 1,624.30.

Art. 9
Public employees

Current Italian legislation on leave of absence or special leaves applies to public employees admitted to International PhD in Science.

Art. 10
Obligations of PhD students

PhD students are required to take part regularly in the activities set out in their curricula, and to commit to the regulatory norms of their University of enrolment.

Art. 11
Conferment of PhD degree

The procedure of the PhD degree conferment is governed by the regulatory norms of the University of enrolment.

Art. 12
Public disclosure

This public announcement is published on the *Euraxess* European website, on the MIUR website and at: https://dottorati.unicatt.it/concorsi

Art. 13
Final provisions

For any matter not explicitly contemplated in this public announcement, the provisions indicated in the Regulatory Norms of the University of PhD students' enrolment shall apply.
Head of the procedure of the present selection is Dr Roberto BRAMBILLA, Director of Postgraduate Education and Research Partnership, Via Carducci 28/30, Milan, Italy.

Nomina dei membri del collegio dei docenti del corso di Dottorato internazionale in *Science*, con sede amministrativa presso l'Università Cattolica del Sacro Cuore in accordo con la *Katholieke Universiteit Leuven (Belgium), la Pontificia Universidad Catolica de Chile Santiago (Chile) e l'University of Notre Dame du Lac - Notre Dame, Indiana* (USA), – ciclo XLI

Collegio dei docenti:

- Prof. Masaru Kenneth KUNO - University of Notre Dame du Lac, Indiana - Coordinatore;
- Prof. Francesco BALLARIN, Università Cattolica del Sacro Cuore;
- Prof. Fausto BORGONOVI, Università Cattolica del Sacro Cuore;
- Prof. Luca GAVIOLI, Università Cattolica del Sacro Cuore;
- Prof.ssa Giulia GIANTESIO, Università Cattolica del Sacro Cuore;
- Prof. Riccardo MARZUOLI, Università Cattolica del Sacro Cuore;
- Prof.ssa Stefania PAGLIARA, Università Cattolica del sacro Cuore;
- Prof Diego COSMELLI, Pontificia Università del Cile (Cile);
- Prof. Lino DA COSTA PEREIRA, Università Cattolica di Lovanio (BELGIO);
- Prof. Steven DE FEYTER, Università Cattolica di Lovanio (BELGIO);
- Prof. Adrian DURAN, Università di Navarra, (SPAGNA);
- Prof. Jorge ELORZA, Università di Navarra, (SPAGNA);
- Prof. David ELUSTONDO, Università di Navarra, (SPAGNA);
- Prof. Bejamin GORISSEN, Università Cattolica di Lovanio (BELGIO);
- Prof. Dardo GOYENECHE, Pontificia Università del Cile (CILE);
- Prof. Boldizsar JANKO, University of Notre Dame du Lac, Indiana;
- Prof. Enrique MUNOZ, Pontificia Università del Cile (CILE);
- Prof. Rob NERENBERG, University of Notre Dame du Lac, Indiana; (STATI UNITI D'AMERICA);
- Prof.ssa Svetlana NERETINA; University of Notre Dame du Lac, Indiana; (STATI UNITI D'AMERICA);
- Prof.ssa Immaculada PASCUAL, Università di Navarra, (Spagna);
- Prof.ssa Sylwia PTASINSKA, University of Notre Dame du Lac, Indiana;
- Prof. Riccardo RAABE, Università Cattolica di Lovanio (BELGIO);
- Prof. Roberto RODRIGUEZ, Pontificia Università del Cile (CILE);
- Prof.ssa Flavia ZACCONI, Pontificia Università del Cile (CILE);
- Prof. Marco ZAMBON, Università Cattolica di Lovanio (BELGIO);
- Prof. Iker ZURIGUEL, Università di Navarra, (SPAGNA).