

BORSE PER LA PARTECIPAZIONE AL TALENT IMPROVEMENT PROGRAM (TIP) PER STUDENTI DELL'UNIVERSITÀ DEGLI STUDI DI BERGAMO TALENTUOSI A FAVORE DI STUDENTI ISCRITTI AD UN CORSO DI LAUREA MAGISTRALE O AL QUARTO O QUINTO ANNO DELLA LAUREA A CICLO UNICO NELL'ANNO ACCADEMICO 2024/2025

ALLEGATO A - RESEARCH PROJECTS AVAILABLE FOR THE TALENT IMPROVEMENT PROGRAM

Project ID	Department	Proponent/s	Research group (not mandatory)	Project title	Project description	Opportunity to participate to Academic Conferences	Visiting Opportunities	Project in collaboration with other Universities?
1	DIGIP	Silvia Bonfanti		CAA (Comunicazione Aumentativa Alternativa) per persone con Bisogni Comunicativi Complessi	Il progetto mira a realizzare un software di messaggistica per la Comunicazione Aumentativa Alternativa a distanza. Il software dovrà essere in grado di supportare le persone con Bisogni Comunicativi Complessi nella comunicazione con persone terze. Tale sistema dovrà inoltre integrare algoritmi di Intelligenza Artificiale, sviluppati per aiutare le persone con BCC a comunicare, adattandosi ai diversi livelli di disabilità delle persone.	ACM Europe Summer School on Accessible and Inclusive Technologies (dates not defined yet) and/or 27th International Conference on Human-Computer Interaction (22 - 27 June 2025, Gothenburg)	no	Centro Sovranazionale di Comunicazione Aumentativa
2	DIGIP	Prof. Sergio Baragetti and Dr. Emanuele Vincenzo Arcieri	Structural Mechanics Laboratory	Study of the structural integrity and durability of materials and components with a high performance/mass ratio	The student will participate in the research activities conducted at the Structural Mechanics Laboratory of the University of Bergamo. The project aims to evaluate the integrity and durability of materials and components with a high performance-to-mass ratio, commonly used in aerospace, racing, and automotive industries. The research will combine experimental testing with numerical analyses to explore failure mechanisms and identify potential prevention strategies .	Participation in one of the following conferences: - ICSID Conference (International Conference on Structural Integrity and Durability, Dubrovnik, Croatia) - AIAS Conference (Società Scientifica Italiana di Progettazione Meccanica e Costruzione di Macchine, Florence, Italy)	No	No
3	DIGIP	Giovanna Campopiano, Mara Brumana	Strategy & Entrepreneurship	Innovative SMEs and circular economy transition	The project aims to investigate the population of innovative SMEs in Italy and their contribution to the circular economy transition. The student will use secondary data to analyse how innovation ecosystems can foster innovation and circular economy practices in SMEs. Ultimately, this project will contribute to the continuing discussion about the importance of innovation ecosystems in promoting economic resilience and sustainability.	Possibility to attend to conferences (e.g. EURAM 2025 https://conferences.euram.academy/2025conference/ ; Riunione Scientifica Annuale dell'Associazione Italiana di Ingegneria Gestionale che si svolgerà a Udine il 11-12 settembre 2025	YES, Bristol University and its ecosystem for innovation (https://innovationsoftheworld.com/ecosystems/innovate-bristol-bath/)	

4	DIGIP	Giovanna Campopiano	Management Engineering	Decoding Sustainability Performance: A Secondary Data Analysis	<p>Sustainability performance evaluation has become a cornerstone for both academic research and practical decision-making, yet significant discrepancies across various data sources hinder consistent and reliable assessments. This study aims to systematically compare the sustainability performance of companies as reported in multiple databases, including CDP, Bloomberg ESG, LSEG ESG, MSCI ESG, and RepRisk. By uncovering consistencies and discrepancies, the research seeks to identify the key factors influencing sustainability performance evaluations.</p> <p>Leveraging these diverse secondary data sources, we will analyze variations in methodologies, data collection practices, and scoring mechanisms. The findings aim to enhance transparency and accountability in sustainability reporting, offering recommendations to align methodologies across datasets and build trust among stakeholders. By fostering standardization, this study contributes to the reliability of ESG performance metrics and supports informed decision-making.</p>	<p>Participation in one of the following conferences:</p> <ul style="list-style-type: none"> - European Decision Sciences Institute (EDSI) - 1-4 June 2024 Göteborg - European Operations Management Association - 13-18 June 2025 Milan 		
5	DIGIP	Ettore Lanzarone	Bioengineering	An Augmented Reality Holographic Device to Improve Robotic Mitral Valve Surgery	<p>The adoption of robotic surgery in mitral valve plastic is gaining success and consent, but standardized port placement does not account for patient-specific anatomy and is still operator-dependant. Augmented reality can provide real-time, holographic views of anatomy based on preoperative imaging. HoloLens II glasses (Microsoft Corporation) provide clinicians with the possibility to overlay dynamic holograms on patients during robotic-assisted mitral valve surgery to optimize robotic port placement. A first prototype was tested in October 2024 at Gavazzeni Hospital (Bergamo, Italy) by an experienced robotic cardiac surgical team (lead by Dr. Alfonso Agnino), and doctors' feedback highlighted its comfort, confidence enhancement, and user-friendliness. The device is eligible for further developments and a rigorous</p>	YES, XR Salento 2025 (www.xrsalento.it)	YES, Université Grenoble Alpes, CNRS, Grenoble INP, G-SCOP, 38000 Grenoble, France	Université Grenoble Alpes, CNRS, Grenoble INP, G-SCOP, 38000 Grenoble, France Division of Robotic and Minimally Invasive Cardiac Surgery, Humanitas Gavazzeni Hospital, Bergamo, Italy

					clinical trial for its evaluation. improvement and introduction in the clinical practice will be conducted involving the student.			
6	DIGIP	Angelo Gargantini		Valutazione di robustezza di reti neurali	Il progetto studia tecniche per la valutazione di robustezza di sistemi basati su reti neurali e intelligenza artificiale. Le reti neurali sono state ampiamente applicate per svolgere compiti in domini critici, come, ad esempio, il dominio medico; la loro robustezza è quindi importante garantito. In questo progetto studiamo una definizione di robustezza per le reti neurali utilizzate per la regressione e/o la classificazione, affrontandone alcune i problemi delle definizioni di robustezza esistenti. Il primo obiettivo è confrontare le diverse definizioni di robustezza date in letteratura. Il secondo è di estendere la definizione data in precedenti lavori considerando anche l'incertezza (utilizzando reti Bayesiane). Il terzo è svolgere esperimenti di calcolo di robustezza, mediante un prototipo da sviluppare.	as student volunteer at ICSE (IEEE/ACM International Conference on Software Engineering)	NII (National Institute of Informatics, Tokyo, Japan	NII (National Institute of Informatics, Tokyo, Japan
7	DIGIP	Landi Daniele, Christian Spreafico	V&K group	La sostenibilità nel mondo racing: studio e analisi di competizioni mondiali	Il progetto mira a quantificare gli impatti ambientali e proporre soluzioni innovative di eventi internazionali nell'ambito racing. Ad oggi non esistono valutazioni quantitative degli impatti ambientali derivanti dal mondo del racing. In collaborazione con la società Dorna (organizzatrice dei campionati di MotoGP e Superbike, gli studenti quantificheranno gli impatti e i flussi che generano l'impatto stesso, al fine di proporre soluzioni innovative in grado di soddisfare le stesse funzioni ma in modo più sostenibile. Il progetto coinvolge tutti gli ambiti dell'ingegneria, dalla logistica, al design, passando per analisi funzionali, ambientali, economiche e sociali	Students will be able to participate in seminars/ conferences organised in Europe in 2025	Sì, da definire con Dorna. Sicuramente gli studenti dovranno seguire qualche trasferta del campionato del mondo di superbike	Il progetto è svolto in collaborazione con la società Dorna che gestisce i campionati del mondo di moto Gp e superbike

8	DIGIU	Francesca Locatelli	DESK4EU Jean Monnet	DEveloping negotiation Science Knowledge 4 EUropean Justice (JEAN MONNET Module Oct. 2023- Oct. 2026)	The Project is funded by the EU Commission via the Jean Monnet grants. The level of study, teaching and training in the field of negotiating ADRs are still very heterogeneous and not organised according to a precise systematic model. This situation also generated the arising of unwanted twisted ideas around the negotiating method, which have very little scientific and systematic basis and that indulge more towards a simplistic "holistic approach" or worse manipulation. All this affects very badly the effectiveness and the reputation of the negotiating ADRs. Consequently the project is aimed at the emergence of a greater awareness of the science of negotiation as a subject that rightfully falls within the modern evolution of dispute resolution systems in European civil procedural law and in many different fields of civil justice.	Summer School (June-July) - Conferenze - Negotiation Lab - Italian negotiation Competition - International Negotiation Competition- Summer school "Winter edition" - masterclasses on Negotiation	sì	Wagger Negotiation Institute - University of Oslo (Norway) Chapman University (USA) Luiss Guido Carli University Università degli Studi di Milano American University of Rome Aarhus University (Denmark) AccademiAdr - Fondazione ODCEC Milano
9	DIGIU	Cinzia Peraro	European and International Law	Cybersecurity strategy, legal framework and social impact. International and European perspectives (PRIN 2022-2024)	The project is funded within the national Call "PRIN 2022" and addresses the issue of cybersecurity from the perspectives of European and International law, namely with regard to the role of the European Union in the context of cybersecurity, its digital governance, also within market dynamics and competition law, as well as with regard to the protection of privacy and personal data of individuals, their digital identity and rights. Fundamental rights in connection with cybersecurity are considered under a multi-sectoral approach by identifying effective means both under public and private enforcement also under the international perspective, having regard to private international law issues. The analysis cover various actions and measures undertaken in different scenarios, especially related to public security and defence, where national authorities or big-tech companies (mostly non-EU based) may arbitrarily make use of such data, or online platforms may extract personal data for political profiling purposes, as well as in external relations,	Events (in Italian) in 2025 in Bergamo (5 March 2025), Napoli, Bari or Bologna (February 2025).	no	University of Napoli Federico II, Bari Aldo Moro, Bologna, Cassino

					<p>including cross-border data flows.</p> <p>Activities to be implemented include research, drafting reports, organisation of events, elaboration of contents to be published online, and the participation to other national events organised by the other partners, or international conferences on the topic.</p>			
10	DIGIU	Cinzia Peraro	European Union Law	AIR-CARE (AIR transport law, Consumers And other Related issues in Europe) Jean Monnet Module 2022-2025	<p>The project has been selected under the Erasmus+ Programme and consists in the organisation and delivery of a 40-hour seminar series dedicated to the air transport sector from a multidisciplinary perspective. Topics include the protection of passenger rights, personal data, competition, borders control, contracts and airport management. The seminars are held by lecturers and experts in the field, including representatives of the Italian Civil Aviation Authority (ENAC) and the Competition and Market Authority (AGCM), as well as the Financial Police working at the International Airport of Orio al Serio. The target groups are students in their final years of degree courses, professionals, especially lawyers, and stakeholders.</p> <p>The objectives of the project are: (i) to support the development of teaching and research activities in order to increase the knowledge and skills of the participants, which is particularly relevant from a territorial point of view; (ii) to contribute with scientific products to the study and deepening of this subject; (iii) to promote synergies with professionals and entities working in the field. The project lasts three years (ending in October 2025). In addition to the series of seminars, a public dissemination event is organised annually.</p> <p>Activities to be implemented include the organisation of the seminar series and the events, research and analysis of case law, preparation of the contents for the seminars, drafting reports, creation of</p>	Seminars in Bergamo (in Italian, one in English, tot. 40 hours) in the period January - March 2025. Visit to the EU institutions (tbc)	no	

					contents for the website and online communication means, participation to other national or international events,			
11	DIPSA	Argyro Elisavet Manoli	Marketing	Brand management effects of sustainability in sport	The project examines the branding effects of sustainability efforts in sport, by focusing on the sustainability programmes of national associations of football around Europe	Yes - European Association of Sport Management / Sport for the Planet conference	No	University of Lausanne
12	DIPSA	Mariarosa Scarlata		How to create a BAN	This project seeks to uncover the process through which a business angels network (BAN) is created. BANs are a relatively new entities that gather together business angels in an effort to spur their investment activity. They typically take the form of associations but are also referred to as groups, networks, or clubs, depending on the level of their internal structure (Mason, Botelho and Harrison, 2013). BANs usually work on a geographic or industrial basis and seek to increase the deal flow by sharing presentation pitches from potential entrepreneurs, to perform joint due-diligence work on potential investment opportunities, ultimately reducing transaction costs (Mason, 2006; Sohl, 2007; Paul and Whittam, 2010; Gregson et al., 2013; Lahti and Keinonen, 2016). BANs have grown to regional, national (for instance, ACA in the US, BBAA in the UK, and IBAN in Italy), and even continental proportions (among them, EBAN and BAE in Europe), increasingly differentiating among each other in terms of rules of engagement, internal structure, quality, variety, and cost of the services provided. Current research on BANs is scant and focuses mainly on identifying whether being part of an angel network has a significant effect on investment practice (Bonini et al., 2018; Lahti et al., 2016). While empirical evidence supports these claims, we lack an understanding on the process it takes to create a BAN. This limits our understanding on the resources, capabilities and competences needed to create a BAN and support BA investments. In addition, the	YES. Aom (July 2025), DRUID 2025 (June 2025)	YES, ESADE (Spain) - the only university in Europe that has created its own BAN	IBAN (Italian Business Angels Network), Polimi

					contextualization of this research question in the context of entrepreneurial universities is overlooked (Guerrero and Urbano, 2016).			
13	DIPSA	Matteo Molinari	Sustainability Accounting and Reporting	Forward Looking evaluation of Sustainability Reporting	Sustainability reporting practices have been widely embraced by organisations (Carungu et al., 2021). Nonetheless, concerns persist regarding the credibility, quality, and consistency of these disclosures. These issues prompted the introduction of the Corporate Sustainability Reporting Directive (CSRD), which aims to modernize and enhance the regulations governing the social and environmental information that organisations are required to disclose. This project aims to analyse the sustainability reports of Italian organisations, which were mandated to disclose sustainability information in 2023 and are expected to comply with the new European Directive, CSRD for the first time in the 2024 financial year, for reports published in 2025. Particularly, this study aims to provide a first evaluation of the quality of the current reports and understand whether these reports are already adequately prepared according to the enhanced requirements of the CSRD. The analysis will be conducted using a combination of established indicators from the literature and new metrics aligned with the provisions of the CSRD.	Yes, Meditari Accountancy Research Conference 2025 (4-5 September, 2025)	Yes	London Metropolitan University
14	DIPSA	Sergio Ortobelli	Financial Mathematics	Path dependent arbitrage portfolio strategies	The project want to evaluate the practical existence of possible arbitrage portfolios based on the time evolution of the prices. The idea to evaluate and studying momentum strategies was first proposed by Jegadeesh and Titman (1993). In this context we study momentum strategies based on the first passage times of the future wealth at some given benchmarks and we evaluate ex-post the opportunities of arbitrage.	Yes, IFAC MIM2025 - Trondheim, Norway (30 June -3 July 2025)	no	No

15	DIPSA	Viviana Meschitti	Organization & HRM	The impact of gender equality initiatives on organizations and their personnel	The quest for fostering gender equality in workplaces has been there for long, and a variety of gender equality measures have been experimented by organizations. However, the long-term impact of these measures is less clear, and some evidence points at the fact that gender equality measures do not necessarily help to address structural barriers to gender equality (or they might even cause backlash). This research project aims to analyse the underlying conditions for gender equality work to be successful, by building first a strong knowledge base of existing literature and evidence. This knowledge base will help to build an informed critique of current approaches and possibly devise new potential lines of intervention. The student will have the opportunity to conduct the analysis of current literature under the proponent's supervision, and also benefit from the mentoring of prof. Marianna Fotaki (Warwick Business School), a leading scholar in the field of gender studies, who will be visited by DIPSA between March and May 2025.	YES - Equality, Diversity and Inclusion Conference, or British Academy of Management 2025	No	Warwick Business School (UK)
16	DIPSA	Vera Lomazzi	Scientific committee of European Values Study (international research group)	European values in a context of transition	After a period of progressive integration and convergence around European values (as defined in the Treaty of the European Union of 1992), crucial values for social cohesion, such as pluralism, non-discrimination, tolerance, justice, solidarity and equality between women and men, are now challenged by the multiple and consequential crises affecting Europe (economic and financial crisis, health crisis, climate crisis, etc.). Studying values in a context of transitions: The project focuses on the conceptualization of values in several domains (work, morality, family, national identity, environment, politics, etc.), their measurement and comparison across European countries. In particular, it investigates value differences and similarities across European member states in light of the current economic,	Conference of the European Survey Research Association (Utrecht, 14-18 July 2025); Conference of ISA (International Sociological Association) -RC33 Logics and Methods (Naples, September 2025)	Tilburg University (Netherlands), Masaryk University (CZ), others TBC within the EVS network	Tilburg University, FORS (Lausanne, CH), KU Leuven (BE), GESIS (DE), Università degli studi di Milano (IT), Università Cattolica del Sacro Cuore (IT), University of Warsaw (PL), Pázmány Péter Catholic University (HU), Institut d'études politiques de Grenoble (FR), Masaryk University (CZ), University of

				<p>social, political, technological and environmental transitions.</p> <p>From the methodological perspective, the project includes an assessment and a critical review of the measurement of specific values, and of the implementation of mixed-mode of data collection (web survey, face-to-face, etc.) in the last edition of European Values Study to contribute preparing the future potential transition to web-panel in 2026.</p> <p>Eventually, the student can participate in editorial tasks (e.g., the support in the preparation of a edited book with international scholars, and the preparation of communication material).</p> <p>[The European Values Study is a large-scale, cross-national, repeated cross-sectional survey research programme investigating human values since 1981 and covering more than 35 countries.]</p>			<p>Bucharest (RO), University of Zagreb (HR), University of Lisbon (PT), University of Bilbao (ES)</p>
17	DIPSA	Vera Lomazzi	Power Research Team	<p>PoweR – Promoting inclusive and Responsible companies as agents of change</p>	<p>The project PoweR – Promoting inclusive and Responsible companies as agents of change, funded through Fondazione Cariplo's Call for Proposals "Research Inequalities," aims to describe the situation with regard to inequalities, particularly gender inequalities, in the areas of access to employment, career progression, income and the ability to participate in decision-making. The project aims to enhance the role of businesses as a key social actor in promoting a more inclusive society, with a focus on the provinces of Milan, Bergamo and Brescia, and it includes several research actions in</p>	<p>WorldBank – Mend the Gap in Economic Opportunities in Europe and Central Asia (Rome, 15-16.05.2025)</p>	-

					<p>which the participant student can be involved. In addition to a mapping of gender inequalities in the labor market in Lombardy, a representative sample of companies with more than 50 employees present in the territories of Milan, Bergamo and Brescia has been invited to participate in the collection of information on company characteristics and social inclusion practices and tools, with particular reference to women's inclusion, in the processes of personnel selection, career development, work-life balance, teleworking, etc. Some good practices will then be selected for insights aimed at Context-mechanism-outcome analysis, to identify positive mechanisms transferable to other contexts. Alongside this survey, they will be asked to send their employees an online questionnaire that will cover the topics of work-life balance, gender stereotypes, difficulties and expectations of the post-pandemic phase. In the second phase of the project, the results of this territorial mapping and transformative mechanisms will be shared with stakeholders</p>	
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						in the territories through workshops in which innovative ideas for the relevant provincial territory will be sought to be shared. The third phase will involve the dissemination of the results and processes activated among scientific audience, public opinion and policy-makers		
18	DIPSA	Rosella Giacometti, Gabriele Torri, Marco Bonomelli	Climate Risk	Climate risk dependences' analysis	We aim to study the dependency structure of climate risk indicators across different geographical areas. Possible Dependencies are: 1)Multivariate dependencies: How do temperature and precipitation jointly affect droughts? 2)Spatial dependencies: How are climate risks correlated across different regions? 3)Temporal dependencies: How do risks evolve over time?	Students will be able to participate in seminars/ conferences organised in Italy and abroad in 2025		
19	DIPSA	Daniela andreini		How uncanny are Virtual Influencers? Exploring consumers' perception of VI's credibility	Influencer marketing has emerged as a powerful tool in the current digital landscape, profoundly disrupting consumer behavior. The integration of the Artificial Intelligence (AI) into this field has introduced both opportunities and challenges, particularly concerning how Virtual Influencer (VI), the AI-generated persona, can influence the final consumer. This research project aims to explore the perceived credibility of Vis using an innovative methodology. Two participant groups will be interviewed in-depth: one will be informed about the VI's artificial nature and one unaware. By comparing the collecting data, we seek to grasp insights of the personal drivers that impact the VI's credibility. In particular, we aim to investigate the "Uncanny Valley Effect", a phenomenon where AI products evoke discomfort or negative perceptions. The study will examine strategy to mitigate	Students will participate in a conference of the Società Italiana Marketing (SIM) in September 2025		

					this effect, enhancing the credibility of Vis among consumers.			
20	DIPSA	Luca Carollo	Organization & HRM	The impact of videocracy on work, organizations and their management	We live in image-saturated societies, characterized by a looking culture, where the pervasiveness of visual media is reshaping the way people make sense of the world. Beyond static images, moving images – videos – have become central to how we understand and engage with the world, offering a dynamic and immersive medium that transcends traditional forms of communication. This marks a shift towards a new visual regime, sometimes referred to as “videocracy”, meaning “the power” or, even, “the dominance of moving images over society”, which has profound implications for the way people work, organize and manage. The project aims to understand and unpack the growing influence of videos on organizations and on the professional lives of individuals.	Yes - International CMS Conference, Manchester June 18-20, 2025 and/or AOM Annual Meeting, Copenhagen July 25-29, 2025	No	University of Milan (Italy), San Paolo School of Business Administration (Brazil), Capital University of Economics and Business (China)
21	DISA	Alessio Cardaci	Lab_S.A.B.E.	The gates of the Fortress of Bergamo	The project was born from the research collaboration on the theme of the Bergamo Fortress, existing between the University of Bergamo and the Museum of the Stories of Bergamo (to which the Municipality of Bergamo has given, since 2018, for the valorization of the UNESCO title following the inscription of the Venetian Walls in the World Heritage List). It is in continuity with the activities of study, documentation and knowledge on the gates of the city: on 20 September 2024, on the occasion of the inauguration of the "Wars of Bergamo: the Museum" in Sant'Agostino, the first results related to the homonymous gate were presented. On 12 December 2024 the results on the gate of San Lorenzo will be illustrated. The project will continue in 2025 - with the investigations on the remaining two gates of the fortress, that of San Giacomo and that of Sant'Alessandro - to conclude in 2027 on the occasion of the celebrations for the tenth anniversary of the UNESCO title. The aim of the project is to outline the construction history of the factory on	Yes - Convegno UID "ÉKPHRASIS: descrizioni nello spazio della rappresentazione", Roma 11-12-13 settembre 2025	NO	Segretariato Unesco di Bergamo, Comune di Bergamo, Museo delle Storie di Bergamo e Ateneo di Scienza Lettere e Arti di Bergamo

					the basis of archive documentation, stratigraphic analysis and geometric-material surveys carried out with the integrated use of different tools and related operational acquisition methodologies, from the use of traditional topographic instrumentation to active sensors (3D laser scanner) and passive sensors (digital photogrammetry) to 3D modelling of the ancient architecture.			
22	DISA	Alessio Cardaci	Lab_S.A.B.E.	ReUSO: Documentation, restoration, and sustainable regeneration of the built heritage	The practice of reuse, considered as new or further use, either of the individual building or of the entire urban context, is a central topic in contemporary architectural culture. One of the most debated topics is the 'restoration of use' considered as an effective conservation tool. For this reason, it has to start from an in-depth knowledge through architectural survey, historical-critical analysis, and diagnostic investigations, to arrive at operational proposals capable of maintaining the heritage's values, without erasing the traces of the past in its various historical-artistic, cultural and symbolic expressions. The project is included within a broader project involving many other European universities; UniBG hosted two important events on the topic of architectural and urban reuse in 2024: The first edition of the Erasmus+ Blended Intensive Programs (BIP) 'ReUSO Brgamo 2024', and the 12th edition of the conference 'ReUSO: Documentation, Restoration, and Sustainable Regeneration of the Built Legacy'. The proposal aims to encourage scholarly discussion on issues concerning the conscious and sustainable re-use of the Built and Landscape Heritage. This reuse process must be based on a rigorous and accurate knowledge and documentation project necessary for the understanding and preservation of the historical memory of the place and the asset. The challenge is to 'open up to young people' by encouraging their participation and involving them in the	Heritage 2025 - International conference on earthen and vernacular heritage: restoration, rehabilitation and urban regeneration (10th, 11th and 12th September 2025) or BLENDED INTENSIVE PROGRAMME (BIP) - ReUSO 2nd edition 2025 RIGAn(June 30, July 5)	YES	Architecture and Design of the Riga Technical University (Latvia); School of Architecture of the Universitat Politècnica de València (Spain); School of Architecture and Urbanisme of the Bauhaus-Universität Weimar (Germany); the Department of Spatial Planning of Blekinge Institute of Technology of Karlskrona (Sweden); the Department of Engineering and Architecture of the University of Enna "Kore" (Italy).

					discussion on the issues of a project on the existing knowledge-based heritage.			
23	DISA	Marina Cabrini	Materiali e Corrosione	Hydrogen distribution and solubility in nodular cast iron	Experimental work on the determination of hydrogen solubility inside ductile cast iron. Determination of its distribution as a function of microstructure measuring the map of Volta potential with Scanning Kelvin Probe Force Atomic Microscope. Correlation between the hydrogen solubility and distribution with hydrogen embrittlement solubility	Possibility to attend to international conference (i.e. Eurocorr 2025)		CANDHy - Compatibility Assessment of Non-steel metallic Distribution gas grid materials with Hydrogen. Call: HORIZON-JTI-CLEANH2-2022-02-01: Compatibility of Distribution non-steel metallic gas grid materials with hydrogen. Type of action: HORIZON-JU-RIA HORIZON JU Research and Innovation Actions. Project Coordinator Foundation for the development of new hydrogen technologies in Aragon (Spain).
24	DISA	Emanuele Garda	Tecnica e Pianificazione e Urbanistica	HUG - Health Urban Green	The research intends to recognise the relationships between green areas, present in some medium-sized Italian cities, and human health (focusing on some diseases). The research aims to produce guidelines for municipal administrations in order to integrate planning tools by strengthening the link between spatial decisions and human health. Because of the topics dealt with, the research is being carried out in collaboration with a research group of the Catholic University of Rome that operates in the field of public health.	Possibility to attend to international conference (e.g. AESOP https://aesop-planning.eu/activities/events/annual-congress)		Università Cattolica (Sede Roma - Policlinico Gemelli, Facoltà di Medicina e Chirurgia)

25	DISA	Ferrari Rosalba	Scienza delle Costruzioni / Mechanics of Materials and Structures	Digitalized life-cycle management of structures by an integrated monitoring and modelling CDE platform	The proposed research investigation aims at establishing a comprehensive methodology for the design of efficient digitalized integrated platforms for a responsible monitoring and conservation of the "state of health" of specific constructions, also characterized by a significant historical and architectural value. The project could focus on infrastructures, such as bridges, which are nowadays reaching their design life-span, bringing then down pressing queries of structural safety, efficiency and present load-carrying capacity. Amongst typical concerns, the aspect of current vibrational behaviour is taken for specific interest.	6th International Conference on "Innovative Materials, Structures, and Technologies" (https://imst.rtu.lv/) and/or others - to be defined	Yes, to be defined	The project could be carried out in cooperation with research groups from RTU (Riga Technical University), ETH Zurich, Politecnico di Milano, Politecnico di Bari
26	DISA	Alessandro Colombo		CFD meets AI	This research activity aims to explore the integration of Machine Learning (ML) techniques in Computational Fluid Dynamics (CFD). The goal is to investigate how ML can replace or complement parts of the algorithms used to solve fluid dynamics equations on computers, with the aim of developing innovative approaches for addressing numerical challenges. Specifically, the project will focus on integrating ML into a high-order fluid dynamics solver based on the Discontinuous Galerkin method. Depending on the student's interests, potential applications include controlling spurious oscillations in solutions in flow simulation possibly involving multicomponent phenomena. Students will gain skills in using AI libraries within the Python environment and in implementing algorithms within a CFD simulation software (Fortran language with massive parallel computation capabilities). This activity is ideal for motivated students interested in combining AI and CFD to advance computational methods.	Participation in international conferences as a speaker cannot be predicted a priori. The student and mentors can certainly hold a seminar (open to all) in UniBG on the results of the research activity.	yes, at Universitat Politècnica de Catalunya (Barcelona)	possible collaboration with Universitat Politècnica de Catalunya (Barcelona)

27	DISA	Marini, Passoni	Tecnica della costruzioni	Sostenibilità e ciclo vita nel settore delle costruzioni: il ruolo dell'ingegneria strutturale	Il settore dell'ingegneria strutturale è oggi chiamato ad integrare nella progettazione i principi della sostenibilità, intesa come sicurezza e resilienza nei confronti dei rischi naturali e antropici. Ciò richiede il passaggio ad un approccio orientato al ciclo di vita, in cui l'edificio non sia più visto come un sistema statico, ma un sistema dinamico, che evolve nel tempo, essendo interessato dai fenomeni di invecchiamento e degrado strutturale, e che è incluso in un sistema ambientale, economico e sociale più ampio che a sua volta evolve. Per far fronte a queste sfide, questo progetto si propone di stabilire un lessico comune sulla sostenibilità nel mondo delle costruzioni, definendo principi, indicatori e metriche, e applicare questi concetti per la definizione di matrici di valutazione multicriterio finalizzate alla caratterizzazione e alla classificazione delle tecniche di rinforzo strutturale/sismico.	IALCCE 2025 (9th International Symposium on Life-Cycle Civil Engineering), 15 - 19 July, 2025 Melbourne, Australia	da definire	Gruppo Reluis WP13 (Politecnico di Milano, Università di Pavia)
28	DISA	Andrea Belleri	Tecnica della costruzioni	Resilienza degli edifici ai cambiamenti climatici	Il progetto combina ingegneria, modellazione avanzata e analisi del rischio per affrontare le sfide strutturali del nostro tempo contribuendo alla protezione delle comunità dagli effetti devastanti dei cambiamenti climatici. L'obiettivo è studiare come edifici esistenti rispondono a pericoli naturali intensificati dal cambiamento climatico, come venti estremi, inondazioni, tsunami e terremoti. Il progetto si concentra sullo sviluppo di modelli di vulnerabilità strutturale che possano prevedere con precisione i rischi associati a queste minacce crescenti. Lo studente avrà l'opportunità di lavorare su strutture leggere, come capannoni industriali in acciaio e altre tipologie, utilizzando modelli bidimensionali e tridimensionali, esplorando come queste strutture si comportano sotto l'effetto di pericoli con intensità progressivamente crescente, contribuendo a soluzioni che proteggano vite e risorse. E' possibile personalizzare il	COMPDYN 2025, 15-18 Giugno 2025, Rodi, Grecia	University of Bristol, University College London	Dipartimento Protezione Civile, Rete dei laboratori di ingegneria sismica e strutturale italiani

					progetto concentrandosi su uno o più pericoli di interesse			
29	DLLCS	Federica Burini, Alessandra Ghisalberti	Imago Mundi Lab	Studio socio-territoriale e percorso di co-progettazione per lo sviluppo locale 2023-2027 del GAL delle Colline di Bergamo	Il progetto fornisc supporto scientifico al GAL delle Colline di Bergamo per studiare gli aspetti socio-territoriali e attivare un percorso di coinvolgimento dei diversi stakeholders a supporto del Piano di Sviluppo Locale (PSL) 2023-2027 di Regione Lombardia			
30	DLLCS	Federica Burini	Imago Mundi Lab	VERSO UNA RIGENERAZIONE TERRITORIALE E RETICOLARE DELLA VALLE DI SCALVE: un nuovo turismo per un nuovo abitare	Il progetto, innescato da un'iniziativa dell'Associazione Scalve Mountain, intende offrire un supporto scientifico e tecnico agli attori istituzionali, associativi ed economici, così come agli abitanti della Val di Scalve, per avviare un processo di sviluppo territoriale anche in prospettiva turistica in ottica sostenibile.			
31	DLLCS	Alessandra Ghisalberti	Imago Mundi Lab	Innovazione territoriale per un nuovo abitare di fronte alle sfide dei cambiamenti climatici	La ricerca ha l'obiettivo di indagare i processi di innovazione territoriale necessari per rispondere alle sfide dei cambiamenti climatici attraverso una riflessione su un nuovo modo di abitare la terra, più giusto, equo e sostenibile basandosi su metodi di apprendimento collaborativo per le twin transitions ecologica e digitale. Nello specifico, si intende monitorare due aspetti: il ruolo degli enti culturali (Università, musei, etc.) nell'innovazione territoriale, intesa anche come innovazione sociale e culturale; i cambiamenti nei contesti urbani e la genesi di nuovi spazi pubblici, anche POPS-Privately Owned Public Spaces.			
32	DSUS	Monica Pivetti		Educational robots to foster STEM inclusion among girls with migrant background	The project aims to improve the STEM engagement among girls with migrant backgrounds attending junior secondary schools. It aims to investigate theoretically and empirically the impact of beliefs about gender roles and the internalization of migrant background, on the engagement of girls in STEM subjects.	Students will participate in a conference organized in Bergamo in 2025.		University of Milano-Bicocca

33	DSUS+DISA+DSE (Centro CHL)	Francesca Morganti Emanuele Garda Michela Cameletti	Centre for Healthy Longevity	CASA. Invecchiare nelle città-medie: come le Condizioni Abitative e gli spazi urbani possono ridurre o aumentare le opportunità per la longevità in SALute	Housing conditions thus influence the daily life of individuals even in old age, going to guide health trajectories for longevity. In Italy, most people over 65 live in medium-sized cities and, in the absence of hospitalization for problems of non-self-sufficiency, continue to age by remaining at home (Aging in Place). The research aims to analyze the conditions of living and urban space, including social opportunities and availability of services, focusing on the small geographic areas (neighborhoods) that characterize the average city. The study will be carried out in the city of Bergamo, which is also representative of average Italian cities in terms of the percentage of residents over 65 (about 30 percent). The project intends to provide a new methodology for investigating the relationship between cities and longevity and results that can be generalized to other average Italian cities.	Yes, to be defined according to the student profile (e.g. aging psychologist, urban planner, methodologist, etc.)	Yes, to be defined within the CHL-Centre for Healthy Longevity international network	The project will be developed in cooperation with NICA, Newcastle (UK) and Comune di Bergamo within the Cities of Longevity international network, and the PNRR national network AGE-IT
34	LFC	Carminati Clizia	CMEMS (Classical, Medieval and Early Modern Studies)	Cultural communities and 17th-century books of verse: the Italian context (PRIN 2022)	The project provides an introduction to research in the humanities with a focus on 17th century Italian poetry. Students will be able to participate in all phases of the project, which was launched in October 2023, i.e.: a census of 17th-century poetry collections, the cataloguing of individual collections on the University of Lausanne's Lyra website and on the new website www.poesia17.it (under construction), the study of one or more particular collections in order to define their structure, themes, texts, with a view to a critical study or annotated edition. Students will acquire research skills using the most advanced digital tools and will develop skills in book history, history of literature and poetic forms, and history of ideas in the early modern age. This project is also suitable for students who want to continue their studies with a PhD.	Students will be able to participate in seminars organised in Italy and abroad in 2025: at the moment one in Paris (May), one in Lausanne (June).	Only to seminars abroad	Universities of Genova, Trento, Siena, Milano Cattolica, Sorbonne Nouvelle (Paris), Lausanne, Madrid Complutense.

35	LFC	Nicola Morato	SESTAM (Seminario studi tardo-antichi e medievali)	Romance Enumeration Repertory	REnumR aims at studying medieval lists and enumerations in the Romance languages, in order to understand them as a vital portion of the Western textual and linguistic heritage. Philological and linguistic methodologies will be core to the analysis. REnumR will contribute to the knowledge of this little-studied and currently not repertoried textual and rhetorical typology, offering a complete and systematic classification in a freely accessible database. The student will have the opportunity to contribute to the project by studying lists and enumerations in one or more romance texts, and to participating in a conference held in Paris at the Sorbonne University in June 2025.	Participation as a guest in a conference at the Université Paris-Sorbonne in June 2025.	Participation in the Paris Conference	Opera del Vocabolario Italiano (OVI), Heidelberger Akademie der Wissenschaften
36	LFC	Donatella Campus		Fandom Democracy? Celebrity and new forms of citizens' engagement (PRIN 2022)	The project, funded by the PRIN national programme, focuses on a timely question: are our contemporary democracies transforming themselves into "fan-democracies"? As citizens' political identities become fluid and less ideological, could political belongings and participation be grounded on forms of fandom? The project intends to investigate whether citizens are only an audience that attend celebrity performances or have also become producers of content, especially on social media. Through the analysis of the activities and practices of political celebrities' followers, it will be assessed if they might be considered as true fans, for whom the fandom experience plays a role in the construction of their political identities. The student will have the opportunity to collaborate with the project PI, Donatella Campus, and the UNIBG unit, and will engage in research dissemination activities - namely, reports to be shared online, and in the project international conference, that will take place in Bergamo in September 2025. The student will have the opportunity of developing organizational and planning	YES - International conference of the research project (University of Bergamo, September 2025)	No	University of Urbino, University of Perugia

					skills related to the activities of the research team.			
37	LFC	Alberta Giorgi	CuT&D - Culture tecnologiche e digitali	Analisi delle rappresentazioni delle discriminazioni nella stampa locale (cartacea e digitale): genere, disabilità, età	Il progetto si inserisce nel quadro di un'attività del gruppo di ricerca Culture Digitali finalizzata alla costituzione di un osservatorio permanente per il monitoraggio della rappresentazione delle discriminazioni nella stampa locale. Il monitoraggio si sviluppa all'interno della sfera mediale ibrida e si concentra in particolare su testate e attori locali. Lo/a studente avrà la possibilità di seguire le attività di ricerca e disseminazione.	Sì (per esempio conferenza GenS (Gender Studies), Stintino, settembre 2025).	No	Il progetto è svolto in collaborazione con le attività dell'analogo Osservatorio dell'Università di Torino (Osservatorio Regionale Antidiscriminazione ORA)
38	LFC	Clizia Carminati	CMEMS (Classical, Medieval and Early Modern Studies)	Archilet - Archivio delle corrispondenze letterarie di età moderna - sec. XVI-XVII	The project is an online database of letters, giving particular attention to Italian literature in 16th and 17th centuries and to its links to other European literatures and cultures. The archive merely registers senders, recipients, date, place of the sender(s) and of the recipient(s), names quoted in the letter, things of relevance, the incipit and the source (i.e. the place where the letter is now kept or the reference edition, if published). The database is and will be always available in open access and constantly increased, thus allowing more and more complex research. The ARCHILET approach privileges the relational aspect of culture and of epistolary communication, towards the reconstruction of an overall cultural network. The objective is to place authors and texts into a concrete context and to explain literary choices and cultural relationships on a documentary basis, in order to uncover new perspectives in early modern history and the history of literature, as well as in the history of ideas, religious thought and the history of art.	Students will be able to participate in seminars eventually organised in Italy and abroad in 2025	Université de Lausanne (to be defined)	Collaboration with Sapienza University (Rome) and Tuscia University (Viterbo), as well as with the other database Epistulae (https://epistulae.unil.ch/)

39	SUS	Ilaria Castelli		LA COMPETENZA SOCIALE IN ETA' SCOLARE: ACQUISIZIONE DEL PENSIERO RICORSIVO DI SECONDO ORDINE	The project aims to explore the development of a crucial ability to interact with others, namely Theory of Mind (ToM), between the age of 6 and 10. The literature is rich of tools that allow to grasp the development of this skill over preschool years, but it is not clear how this ability evolves from the end of preschool age to middle childhood. Therefore, the project aims to develop a new measuring tool that will allow to catch individual differences in ToM development in this crucial period of maturation; the study will also study the relations between individual trajectories of ToM development and relevant social/cognitive correlates in the child's life.	Students will be able to participate in seminars/ conferences organised in Italy and abroad in 2025	no	University of Babes-Bolyai (Romania), Università Cattolica del Sacro Cuore di Milano
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