

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 2026/2027

ALLEGATO A - RESEARCH PROJECTS AVAILABLE FOR THE TALENT IMPROVEMENT PROGRAM

ID	Dept.	Proponent /s	Research group (not mandatory)	Project title	Project description	Opportunity to participate to Academic Conferences	Visiting Opportunities	Project in collaboration with other Universities or with Companies? (Please specify)
1	DIGIP	Davide Russo	V&K	AI for R&D	Il Progetto prevede la messa a punto e sperimentazione di un applicativo AI based per supportare i reparti di Ricerca e Sviluppo nelle fasi più critiche del processo di problem solving. Il progetto ha come obiettivo quello di stimolare l'approccio critico al problema mediante stimoli generati da algoritmi che simulano il pensiero laterale dei grandi pensatori della storia. Il modulo si integra ad un impianto SW già collaudato basato su TRIZ e modelli LLM.	YES: World Conference TRAI 2027 on Artificial Intelligence powered Innovation, Inventive Design and Theory of Inventive Problem Solving TRIZ on November 2027	partecipazione a EVENTO pubblico organizzato da CONFINDUSTRIA REGGIO EMILIA	CONFINDUSTRIA REGGIO EMILIA ed alcune aziende associate del territorio
2	DIGIP	Christian Spreafico	V&K	AI for education	Artificial Intelligence (AI) is reshaping learning and problem-solving, making the ability to collaborate effectively with AI while preserving critical thinking, creativity and responsible decision-making a key competence. This project explores educational methodologies that integrate Human-AI collaboration with structured problem-solving approaches, such as TRIZ, to develop these competencies among upper-secondary school students. In collaboration with ACLI Bergamo and ACLI Nazionale, the student will support the design, implementation and evaluation of AI-supported learning activities, contributing to educational resources, research publications and the Master's thesis.	YES: World Conference TRAI 2027 on Artificial Intelligence powered Innovation, Inventive Design and Theory of Inventive Problem Solving TRIZ on November 2027	The student will participate in research and educational activities with ACLI Bergamo and ACLI Nazionale, contributing to the design and implementation of learning activities for upper-secondary school students and educators.	ACLI Bergamo and ACLI Nazionale
3	DIGIP	Prof. Sergio Baragetti and Dr. Emanuele Vincenzo Arcieri	Structural Mechanics Laboratory	Experimental and numerical strength assessment of lightweight, high-performance components and structures	The project focuses on assessing the structural integrity, durability, and failure behaviour of lightweight, high-performance components and structures for potential applications in aerospace, motorsport, automotive, and healthcare sectors. Experimental testing and numerical modelling will be combined to investigate structural response, identify damage and failure mechanisms, and develop potential design and prevention strategies aimed at optimising reliability and service life.	Participation in one of the following conferences: - An international conference, such as the ICSID Conference - International Conference on Structural Integrity and Durability, Dubrovnik, Croatia.	No	No

						- AIAS National Conference, organized by Società Scientifica Italiana di Progettazione Meccanica e Costruzione di Macchine.		
4	DIGIP	Angelo Gargantini	Formal Methods & Software Engineering group	Using LLMs to generate formal specifications and abstract tests for casual networks	Using large language models (LLMs) to generate formal specifications and abstract tests for causal networks allows researchers to automate the translation of natural language descriptions or observational data into structured causal models and verifiable properties. During the generation Workflow: (1) Text or Data Extraction: The LLM parses raw text, domain knowledge, or data traces to identify key variables and their potential cause-and-effect relationships. (2) Formal Specification Synthesis: The model converts these relationships into formal languages (such as structural causal models or logic-based contracts). (3) Abstract Test Derivation: The framework builds positive and negative test scenarios—like interventions or counterfactual checks—to validate the specification. (4) Symbolic Verification: Tools check if the generated expressions comply with rules like do-calculus and probability theory. Challenges include: models may hallucinate non-existent causal links or oversimplify complex dependencies, LLMs often struggle to strictly separate mere statistical correlation from true physical or logical causation without explicit structural guidance and syntactic validity in the output does not guarantee that the underlying real-world causal assumptions are correct.	20th IEEE International Conference on Software Testing, Verification and Validation (ICST) 2027, San Sebastian, Spain	Simula, Norway	AlSent company

5	DIGIP	Claudio MENGHI	FOSELAB (Formal Methods & Software Engineering group)	From Simulation to Flight: Search-Based Software Testing for Reliable UAV Controllers	Abstract. This project concerns the development of novel search-based software testing (SBST) for Unmanned aerial vehicles (UAVs). Unmanned aerial vehicles (UAVs) support activities, such as monitoring and inspecting large isolated areas. However, their success depends on the correct design of the software controller. SBST iteratively generates test cases to identify requirement violations. However, SBST effectiveness depends strongly on the application domain. This project aims to develop effective SBST solutions for supporting the design of UAV applications and the development of drone software controllers that meet these requirements. Background and Previous Results. This project is a continuation of a previous project that developed a novel SBST solution that was verified in a simulated environment. Our team participated in the **MathWorks Global Drone Virtual Competition** and won the first prize, outperforming dozens of universities from around the world. This achievement generated **significant media exposure for the University**, including (1) a dedicated article in L'Eco di Bergamo [A], (2) coverage by **BergamoNews** [B], (3) extensive circulation of the news on social media and within academic and technology communities [C, D, E]. It also generated a scientific publication at the 2026 International Conference on Fundamental Approaches to Software Engineering (FASE), a CORE Rank B conference [F]. Project Objective. The project concerns the verification of the effectiveness of SBST solutions on physical drones and the development of novel solutions for this scenario. The project will enable the students to deploy and test their solution on real drones. Partners. The project will be developed in collaboration with researchers from the University of Ottawa and discussed with experts from MathWorks. Expected Outcomes. An effective SBST solution for UAV. A publication in a major scientific venue. Participation of a team of students in the **MathWorks Minidrone Competition 2026 – European Edition**, an international in-person competition to be held at MathWorks' offices in Cambridge, UK. Presentation of the results to an industrial and scientific audience. Increased networking opportunities with industry professionals for the talented students, which may foster future academic and industrial collaborations; Official visibility through MathWorks' communication channels, including the possibility of being featured on the Student Programs Instagram account. Coverage of the results on social media. All these outcomes will overall significantly increase the international visibility and reputation of the University of Bergamo. Funding. The funding will be used to (a) cover the participation of the student in the MathWorks Minidrone Competition 2026 – European Edition (in Cambridge), which will be (in part) covered by MathWorks, (b) (partially) support a visit to the University of Ottawa. To participate in these activities, funding is necessary to support travel, accommodation, local transportation, meals, and the necessary administrative procedures. [A] https://www.ecodibergamo.it/stories/premium/bergamo-citta/gli-studenti-unibg-vincono-la-sfida-mondiale-sui-droni-di-mathworks-o_3857641_11/; [B] Bergamo news: https://bergamotv.ecodibergamo.it/tv/video/bergamo-tg-15-05-2026-	Yes – Mathworks events in Cambridge	Yes – MathWorks (Cambridge), University of Ottawa (Canada)	University of Ottawa
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6	DIGIP	Daniele Landi	Virtual & Knowledge	CAREprint – Measuring and Redesigning the Environmental and Social Footprint of Healthcare Organizations	The CAREprint project aims to develop an integrated method for assessing and improving the environmental and social sustainability of a healthcare organization. Life Cycle Assessment (LCA) and Social Life Cycle Assessment (S-LCA) will be applied to analyse resource consumption, emissions, waste, and impacts on workers, patients, suppliers, and local communities. The study will identify sustainability hotspots and potential trade-offs between environmental and social objectives, supporting the evaluation of alternative improvement scenarios. The final outcome will be a replicable decision-support framework to guide healthcare organizations towards more sustainable, safe, inclusive, and efficient solutions.	Yes, international Conference on Life Cycle Engineering	Da definire, potrebbe esserci la possibilità di visitare il Health Care Without Harm (HCWH)	Collaborazione con l'azienda sanitaria ASST Bergamo Est con analisi sul campo

7	DIGIP	Anna Ghidotti, Andrea Vitali	Virtualization & Knowledge (V&K)	Personal Breast	This research project aims to develop an innovative, radiation-free framework for the patient-specific design and customization of breast implants following mastectomy. The Personal Breast Project (PBP) combines two main research activities: (1) the acquisition of the external breast and thoracic geometry through 3D scanning and (2) the estimation of the internal curvature of the implant site. The project will focus on the second activity, with the aim of reconstructing the internal geometry of the human thorax, particularly the ribcage, from a limited set of external skin landmarks. To achieve this objective, machine learning and generative artificial intelligence techniques will be investigated to predict the internal geometry (ribcage), from externally acquired anatomical points. A dataset of female thoracic CT scans will be processed to segment the relevant anatomical structures and generate accurate three-dimensional ribcage models, using medical image processing software such as 3D Slicer. The resulting anatomical models will provide the basis for the development and evaluation of predictive and generative approaches, potentially implemented using frameworks such as TensorFlow. By integrating external, non-invasive measurements of the patient's thorax, these methods will estimate the underlying ribcage curvature without requiring additional CT examinations. The final objective is to support the design of personalized breast implants that more accurately conform to the patient's anatomy, potentially improving implant fitting and postoperative outcomes.	ADM International Conference 2027	No	Papa Giovanni XXIII, Hospital
8	DIGIP	Tommaso Minola, Davide Hahn	CYFE (Center for Young and Family Enterprise)	Automation or Augmentation? The role of Artificial Intelligence in technology commercialization and startup creation	The commercialization of new technologies and the creation of innovative startups are inherently uncertain processes, requiring entrepreneurs and innovation managers to search for information, interpret ambiguous signals, and make strategic decisions under severe resource constraints. Recent advances in Artificial Intelligence are reshaping these activities by providing unprecedented opportunities to search for, synthesize, and exploit knowledge. At the same time, AI may also encourage over-reliance on automated outputs, superficial decision-making, cognitive biases, and reduced engagement with customers and other stakeholders. This research project investigates whether AI is used primarily as a tool for automation or augmentation in technology commercialization and entrepreneurial decision-making. Combining conceptual development with empirical research, the project will examine the antecedents and consequences of these alternative approaches across different stages of the commercialization and venture creation process. Particular attention will be devoted to understanding which organizations and decision-makers are more likely to rely on automation or augmentation, how these approaches evolve over time, and how they shape venture strategies, technology commercialization, time-to-market, and economic performance. Students joining the project will have the opportunity to collaborate with our research group and an international network of scholars in entrepreneurship, strategy, and innovation management.	Yes. Strategic Management Society Conference 2027 (TBC), RENT (November TBC, 2027, Dublin, Ireland)	Yes: University of Amsterdam	Yes: Politecnico di Milano

9	DIGIP, DIPS A, DLLCS	Giovanna Campopiano, Cristiana Cattaneo, Flaminia Nicora	-	Global Networks: Analysing International Career Trajectories of UniBG Alumni	The project builds on 'Reti Globali', the Alumni engagement project at the University of Bergamo. The objective is to update and analyse the dataset on the international career trajectories of University of Bergamo graduates. The student will work on the available data to identify relevant patterns in Alumni international mobility, including geographical destinations, professional trajectories, industries and occupations, and, where data allow, return mobility to Italy and Lombardy. The student may also explore specific patterns across cohorts, degree programmes, countries or professional profiles and contribute to identifying emerging trends in international mobility. Quantitative evidence may be complemented by information collected through semi-structured interviews with selected Alumni, helping to interpret the patterns observed in the dataset and identify key informants in different countries. Through the project, the student will develop skills in data management, quantitative analysis, interpretation of empirical evidence, research design and reporting, while contributing to a better understanding of international mobility and its potential connections with the Lombardy region.	Yes: Italian association conferences (AilG, AIDEA, etc.) or international conferences (EURAM, RENT, EUA Workshop etc.)	-	Yes: LUBERG, Alumni association of graduates of the University of Bergamo
10	DIGIU	Francesca Locatelli		DEveloping negotiation Science Knowledge 4 EUropean Justice (DESK4EU)	Currently, teaching and training in the field of negotiating ADRs remain highly heterogeneous and lack a systematic framework. This gap has led to non-scientific approaches, often leaning towards simplistic "holistic" views or manipulation, ultimately impairing the effectiveness and reputation of ADR methods. Desk4EU aims to foster a stronger awareness of negotiation science as a legitimate and essential component of modern civil procedural law and European civil justice. The Desk4EU project retains its name following the completion of its Jean Monnet grant—funded by the European Commission—and continues its journey through the Negotiation Lab and all the related research activities in the field by Prof. Locatelli. This next phase, more specifically, focuses on research and practical application, collaborating with key international initiatives such as The Negotiation Challenge, the INC, the ELSA Negotiation Competition, the INTRA group (International Negotiation Teaching and Research Association), and the CNF (Consiglio Nazionale Forense).	National and International Conferences	Yes	CNF, TNC and INTRA, ELSA, Iéseg Paris, Aarhus Universitet
11	DIPS A	Vera Lomazzi and Alberta Giorgi (LFC)		MEN4DEM - Masculinities for the Future of European Democracy (Horizon Europe)	MEN4DEM is an international collaborative project that aims to advance the understanding of how masculinity is constructed and mobilized by the extreme right in Europe and study how extremism is legitimized on online platforms and spills over into the political mainstream. UniBG coordinates a survey among general population in six countries to investigate to what extent anti-democratic masculinities and aspects of the manosphere ideology are spread among the general population and how these beliefs link to political attitudes and propensity to radicalization. On similar issues, UniBG is involved in two digital ethnographies focusing on specific online platforms and influencers. Students can have the opportunity to engage in an international research environment, be involved in different aspects of the project according to interest, and acquire methodological and data management skills.	Conference of the European Survey Research Association (Paris, 19-23 July 2027); Journal of Youth Studies International Conference 2027 (Porto, 4-6 May 2027); others TBC	Yes, in any of the consortium partners' institutions	University of Amsterdam (NL), EKKE (GR), GESIS Leibniz Institute for the Social Sciences (DE), University of Uppsala (SE), University of Gdansk (PL)

12	DIPS A	Prof Giancarlo Fedeli	Marketing	Demarketing Beyond Demand: A Systems Perspective on Tourism Governance	The purpose of this project is to reconceptualise demarketing in tourism by developing a systems-based conceptual framework that repositions demarketing as a strategic governance approach rather than simply a reactive marketing tool. Drawing on international cases and the complementary expertise of researchers working across Australia and internationally, the framework synthesises diverse destination contexts to identify a spectrum of demarketing responses applicable across tourism settings	Da definire		
13	DIPS A	Sergio Ortobelli Lozza	Quantitative finance	Sull'impatto nelle scelte finanziarie del rischio di credito congiunto	Il progetto propone lo sviluppo di modelli strutturali multivariati per il rischio di credito congiunto, sotto differenti ipotesi distribuzionali, con l'obiettivo di valutarne le implicazioni nelle decisioni finanziarie. In una prima fase saranno analizzati e confrontati diversi modelli multivariati, assumendo che i rendimenti delle attività delle imprese seguano processi di Lévy, in modo da rappresentare adeguatamente asimmetrie, code pesanti e variazioni discontinue dei valori aziendali. Particolare attenzione sarà dedicata alla modellizzazione della dipendenza tra eventi di default e alla sua evoluzione in condizioni di stress. Saranno quindi sviluppate e confrontate opportune approssimazioni per la stima delle probabilità di default congiunto e delle relative misure di rischio. Infine, verrà valutato l'impatto dei diversi modelli e delle procedure di stima sulle scelte finanziarie e di allocazione del capitale, con particolare attenzione alla robustezza delle decisioni durante periodi di crisi e di elevato rischio sistemico.	Partecipation to Conference of EURO 2027 in Athens 11-14 july or conference AMASES 2027 or others.	Da definire	VSU TU of Ostrava (Czech Republic)
14	DIPS A	Silvio Vismara	Corporate Finance	Digital Finance Platforms and Firm Scaling	The diffusion of digital platforms has introduced new financing methods for both debt and equity, including crowdfunding, peer-to-peer business lending, initial coin offerings, fintech lending, and online syndication platforms. These methods have expanded across both developed and emerging economies, providing innovative firms with new opportunities to access capital. This project investigates how digital finance affects firms' scaling trajectories, asking whether the democratization of access to finance enabled by digital technologies extends to scaling opportunities. The analysis tests whether access to digital finance facilitates firms' ability to scale operations, achieve rapid sales and employment growth, and successfully reach exit outcomes such as IPOs or acquisitions, thereby contributing to closing the scale-up gap that remains a major challenge for many firms.	Yes: 11th Entrepreneurial Finance Association (ENTFIN) Conference. Early July 2027, Venice.	Yes: Ghent University, Belgium	Yes: Ghent University, Belgium

15	DIPS A	Luca Farè	Corporate Finance	Investor Information Processing on Digital Finance Platforms	The digitalization of finance has transformed how investors access, process, and evaluate information. Digital finance platforms expose investors to large amounts of screen-based information and multiple competing disclosures, increasing the importance of attention in investment decision-making. This project investigates how investors allocate attention to financial information in digital environments, with the aim of shedding light on the cognitive processes underlying investor information processing in digital finance. The analysis examines which types of information attract investors' attention, how attention is distributed across different sources of information, and how these patterns relate to investment decisions. The project relies on the facilities available at the NeuroLab of the University of Bergamo, including eye tracking technology. By combining behavioral and attentional measures, the project provides new insights into how investors process information in increasingly digital financial environments and contributes to a better understanding of the cognitive mechanisms shaping financial decision-making.	Yes: 11th Entrepreneurial Finance Association (ENTFIN) Conference. Early July 2027, Venice.	No	No
16	DIPS A	Argyro Elisavet Manoli, Gabriele Murtas		CSR communications effects on sport fans	The student will investigate whether corporate social responsibility communication generates different fan responses from conventional marketing communication in professional football. Drawing on the Cognitive-Affective-Conative framework, the student will assist in designing an experiment in which football supporters will be exposed to either CSR-oriented or conventional social media content from a professional football club. The research will examine how these messages influence fans' perceptions, emotional reactions, overall image of the club and intended supportive behaviours. It will also consider whether fan identification affects these relationships, helping to establish when and how CSR communication contributes to a football club's reputation.	Possibility to participate in the European Association of Sport Management conference & the Italian Society of Marketing conference	To be confirmed	University of Lausanne
17	DIPS A	Cristiana Cattaneo, Chiara Oppi	HIGHS – Health and social care: Innovation, Governance, Human and Sustainability	Managing Sustainability in Healthcare within Net-Zero Cities: Strategies, Management Control and Performance Measurement	The project investigates how healthcare organizations can translate sustainability and decarbonization commitments into strategies, governance arrangements and management control systems. Particular attention will be paid to how sustainability objectives are defined, operationalized through performance indicators, monitored and revised over time, and to how cross-sector interdependencies and inter-organizational relationships can be managed within the broader Net-Zero Cities agenda. Healthcare is especially relevant because its environmental footprint extends beyond buildings and energy to mobility, procurement and supply chains, waste, food services, pharmaceuticals and medical devices, and the appropriateness of care. The student may contribute to literature review, case-study design, data collection and analysis, mapping of sustainability strategies and governance mechanisms, and the development or assessment of indicators and management control tools. Empirical work may involve healthcare organizations in the Bergamo area as well as extra-regional cases. The project is developed in collaboration with the University of Ferrara and aims to generate both academic outputs and practical tools supporting healthcare organizations in the transition towards climate neutrality.	Possible participation in national conferences on management accounting, public management, healthcare management and sustainability: es. Azienda Pubblica annual conference and Management Control annual conference	To be defined	University of Ferrara; healthcare organizations in the Bergamo area and potentially healthcare organizations in other Italian regions.

18	DISA	Alessandra Marini, Chiara Passoni	Tecnica delle Costruzioni	Sostenibilità e ciclo di 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 come un sistema dinamico, che evolve nel tempo, essendo interessato da 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, il progetto si propone di stabilire un lessico comune sulla sostenibilità nel mondo delle costruzioni, definendo principi, indicatori e metriche, e di applicare questi concetti alla definizione di matrici di valutazione multicriterio finalizzate alla caratterizzazione e alla classificazione delle tecniche di rinforzo strutturale e sismico.	Da definire	Da definire	Gruppo ReLUIS WP13 (Politecnico di Milano, Università di Pavia)
19	DISA	Andrea Belleri	Tecnica delle Costruzioni	Vulnerabilità al vento degli involucri leggeri degli edifici industriali	Il progetto riguarda la valutazione del comportamento al vento degli involucri leggeri degli edifici industriali, con particolare attenzione ai pannelli di parete e copertura, ai sistemi di fissaggio e alle sottostrutture di supporto. Lo studente svilupperà un caso studio rappresentativo, individuando le zone maggiormente esposte alle pressioni e depressioni locali e analizzando i principali meccanismi di danneggiamento o distacco. Attraverso modelli analitici e numerici di complessità progressiva saranno studiati gli effetti dei principali parametri geometrici, meccanici e costruttivi. Il progetto comprenderà inoltre il confronto tra possibili strategie di miglioramento, valutandone l'efficacia in termini di sicurezza, continuità operativa e riduzione delle perdite. Le attività potranno essere personalizzate in funzione delle competenze e degli interessi dello studente.	Compdyn 2027 (Creta)	University of Bristol, University College London	Dipartimento Protezione Civile, Rete dei laboratori di ingegneria sismica e strutturale italiani
20	DISA	Gianluca Traversi	Microelectronics Laboratory	Advanced pixel detectors for next-generation particle physics experiments	Pixel detectors are key components of modern particle physics experiments, where they are used to reconstruct particle trajectories with high spatial and temporal resolution. The project will involve the student in the experimental characterization of advanced pixel-detector technologies for high-energy physics and future particle accelerators. Depending on the devices available during the project, the activity will focus on the characterization of analog front-end circuits or monolithic CMOS pixel sensors, including devices developed for the Belle II experiment, such as OBELIX-1. The student will contribute to laboratory measurements, data acquisition and analysis, and the evaluation of the main performance parameters of the devices. The project will provide hands-on experience with state-of-the-art microelectronic technologies, experimental instrumentation and data-analysis methods used in international particle physics research.	Yes. The student may have the opportunity to participate in national or international conferences and workshops in the fields of microelectronics, radiation detectors and high-energy physics.	Yes. Possible research visits to INFN Pisa or the Institut Pluridisciplinaire Hubert Curien (IPHC) in Strasbourg.	Yes. The project is carried out within research collaborations involving the University of Pisa, INFN, IPHC Strasbourg and the University of Bonn.

21	DISA	Paolo Lazzaroni	Microelectronics Laboratory	Low-power AI-powered radar-based sensing: rehabilitation, motion, and posture evaluation scenarios	This project uses low-power, AI-powered radar to assess rehabilitation, motion, and posture. Contactless mmWave sensing captures movement without cameras or wearables, preserving privacy in clinics, homes, and labs. Lightweight models classify activity, quantify motion quality, and flag posture risk from radar returns, running continuously on constrained hardware. Different commercial and custom devices are already available in the lab. Depending on the student's preference, and in line with the lab's needs, the type of application and contribution subset (which ranges between RF simulation, board design, embedded programming, ML/DL algorithms implementation) will be chosen. The project will provide a comprehensive knowledge on mmWave systems with a focus on either hardware, embedded programming, data analysis, or all of them, and the opportunity of develop new concepts and ideas to leverage the technology.	Yes. The student may have the opportunity to participate in national or international conferences and workshops in the fields of sensors, RF, radar applications	Yes. Possible research visits to University of Messina or University of Pavia	Mildly. A collaboration with University of Messina and University of Pavia is active, but not strictly on the project reported
22	DISA	Emanuele Garda		Drenaggio urbano e salute. Un'indagine sugli effetti dei SuDS tra resilienza e benessere per gli abitanti	Il progetto indaga le relazioni tra i sistemi di drenaggio urbano sostenibile (SuDS) e la salute e il benessere delle popolazioni urbane. Attraverso un approccio transdisciplinare, che integra pianificazione territoriale, politiche pubbliche e salute pubblica, adotta una metodologia quali-quantitativa e multiscalare per valutare come i SuDS applicati agli spazi pubblici incidano sulla qualità ambientale e sociale, sulla fruibilità dei luoghi e sul benessere fisico e mentale degli abitanti, anche nella prospettiva della Planetary Health. La ricerca esamina alcuni interventi realizzati nei comuni lombardi dai gestori del servizio idrico integrato, relativi a strade, piazze e parcheggi riconfigurati mediante l'introduzione di SuDS, valutandone gli effetti sulle comunità. Il progetto analizza inoltre le politiche e gli strumenti adottati per la gestione delle acque urbane e i relativi benefici ambientali, sociali e sanitari. L'obiettivo è definire strumenti interpretativi e operativi capaci di orientare le politiche urbanistiche verso una maggiore integrazione tra gestione sostenibile delle acque, qualità degli spazi pubblici e benessere collettivo.	Conferenze nazionali e internazionali		In collaborazione con Pontificia Universidad Católica de Chile e con la Società Brianzacque Spa
23	DLFC	Luca Lombardo	DanteLab UniBg	A New Dante's "New Life"	Dante's *Vita nova* is considered the earliest cohesive "book" in the history of Italian literature in the vernacular; this pivotal text is characterized by a "mixed" linguistic and rhetorical nature, reflecting the dual form created by the alternation of prose and verse. This bipartite structure has direct implications for the work's manuscript tradition and, consequently, for the philological reconstruction of the text. The project—based on a collaboration between philologists and historians of the Italian language and literature from Europe and the United States—entails a comprehensive re-examination of the *Vita nova* manuscripts from both philological and linguistic perspectives. The aim is to redefine the lines of the work's transmission, tracing it back to its archetype—which may have originated in Florence or in a peripheral region. Students involved in the project will have the opportunity to: 1) participate in the linguistic analysis of the *Vita nova* manuscripts; 2) collaborate on classifying these manuscripts within a new hypothetical *stemma codicum*; and 3) study specific manuscripts as distinct "cultural episodes" in the reception of Dante's text. These activities will take place within a collaborative research program involving scholars from Italy and abroad, offering students the chance for international mobility.	The annual international conference "Alma Dante" (reserved for young scholars), that will be held at the University of Bologna on June 2027.	The students could spend short study periods (one month) at the Center for Italian Studies of the University of Notre Dame (Indiana, USA).	University of Notre Dame (USA); Alma Mater Studiorum - Università di Bologna; Sapienza Università di Roma.
24	DLFC	Carminati Clizia	CMEMS (Classical,	Cultural communities and	The project provides an introduction to research in the humanities with a focus on 17th-century Italian poetry. Students will be able to	YES: International Conference in Rome,	NO	Accademia dell'Arcadia;

			Medieval and Early Modern Studies)	17th-century books of verse: the Italian context (PRIN 2022)	participate in all phases of the project, i.e.: a census of 17th-century poetry collections, the cataloguing of individual collections on the new website www.poesia17.it (launched in June 2026), 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.	Accademia dell'Arcadia, February 4th 2027		University of Siena; University of Trento; University of Genova; Catholic University of Milan; Trilateral trilingual Conference "Hortus Europaeus" in Villa Vigoni (for collective lyric poetry books only).
25	DLFC	Nicola Morato	SESTAM	Tristan and the Holy Grail in Northern Italy. A Legend in Fragments	Working on the manuscript transmission of the Tristan-Grail narrative and on a corpus of recently identified manuscript fragments, students will acquire fundamental skills in codicology, manuscript description, textual criticism, historical linguistics and the study of medieval textual traditions. By participating in the FragMINE research project in collaboration with the University of Pavia, students will gain first-hand experience of collaborative research while developing the methodological tools needed to analyse, describe and interpret medieval manuscript evidence.	Participation in the annual meeting of the International Arthurian Society (Italian Branch). Tradizione e traduzione delle prose arturiane (Siena-Firenze, 3-4 dicembre 2026) and / or in the international workshop to be held at Université Lumière Lyon 2 (a member of the BAUHAUS consortium) on 1-2 June 2027.	The student will have the possibility to participate in the annual meeting of the project Fragmine in Pavia.	University of Pavia, Université Lumière Lyon 2 (member of the BAUHAUS consortium)
26	DSUS	Monica Pivetti		Promuovere l'inclusione nelle materie STEM delle ragazze migranti: il ruolo della robotica educativa	Il progetto ha l'obiettivo di migliorare l'engagement nelle materie STEM delle ragazze con background migratorio che frequentano scuole secondarie di primo grado. Per fare questo si intende indagare a livello teorico ed empirico (1) l'impatto delle credenze sui ruoli di genere, (2) l'interiorizzazione del background migratorio su dimensioni quali l'interesse verso le materie STEM e la percezione di autoefficacia nella robotica. Verrà inoltre valutato l'esito di tali laboratori di robotica sul coinvolgimento nelle materie STEM nei ragazzi della scuola secondaria di primo grado, attraverso la raccolta di dati quali-quantitativi, tenendo in considerazione il ruolo degli stereotipi di genere.	To be defined	No	YES. With the Department of Information Engineering, University of Padova and with the Department of Communication, Arts and Media, IULM University

27	DSUS	Serenella Besio, Fabio Sacchi		UPGRADE – Unlocking Potential through Gaming, Research, Accessibility, Development, and informal Education	UPGRADE is an Erasmus+ Cooperation Partnership in Youth (KA220-YOU) focused on using mainstream video games as tools for inclusion, informal learning, skills development and employability, with particular attention to young people with disabilities. The student will contribute to the pedagogical research activities supported by UniBG, especially the development and validation of learning resources on skills acquired through gaming and on ethical and responsible gaming. Activities may include literature review, contribution to the conceptual framework and progressive learning units, support in data collection and analysis connected with Living Labs and platform validation, and dissemination of project results. The experience will provide direct exposure to an international multidisciplinary consortium working at the intersection of Special Education, digital inclusion, youth work and assistive technology.	YES: possible participation in two UPGRADE-related academic/dissemination conferences: Bologna, Italy (approximately October 2026) and Thomas More University of Applied Sciences, Belgium (approximately October 2027). Dates and participation to be confirmed.	To be defined	International Erasmus+ consortium: Hilfsgemeinschaft der Blinden und Sehschwachen Österreichs (AT); AIAS Bologna Onlus (IT); Thomas More Kempen / Thomas More University of Applied Sciences (BE); e-Nable Greece (EL); Silesian University of Technology (PL); AAATE (AT).
28	DSUS	Ilaria Castelli		La Teoria della Mente in età scolare: comprensione di stati mentali complessi e abilità argomentative.	Il progetto ha l'obiettivo di approfondire lo studio dei processi impliciti ed espliciti coinvolti nel pensiero ricorsivo legato alla comprensione di stati mentali complessi in età scolare. Per fare questo si intende indagare a livello teorico ed empirico (1) lo sviluppo del pensiero ricorsivo di II ordine, in particolare in riferimento agli stati mentali del desiderio (vero e falso) e della credenza (vera e falsa) attraverso un nuovo compito computerizzato e (2) analizzare il ruolo di processi impliciti (valutati attraverso i tempi di reazione e i movimenti oculari) ed espliciti (valutati attraverso l'analisi delle giustificazioni alle domande test) nel ragionamento mentalistico. Si prevede la realizzazione di una raccolta dati presso scuole primarie del territorio bergamasco, con successiva restituzione dei risultati principali. Infine, le evidenze raccolte costituiranno il punto di partenza per il successivo sviluppo di interventi educativi volti a supportare lo sviluppo del pensiero ricorsivo in età scolare.	Da definire	No	Sì: CeRiToM - Centro di Ricerca sulla Teoria della Mente, Università Cattolica del Sacro Cuore di Milano prof.ssa Laura Visu-Petra, Department of Psychology, Babeş-Bolyai University, Cluj-Napoca, Romania.

29	DSUS	Andrea Greco		Validazione italiana di strumenti di misura inerenti ai costrutti di personalità per valutare l'influenza dello stile di vita, dell'autostima e dell'elaborazione emotiva sull'immagine corporea	Lo studio ha l'obiettivo di validare strumenti di valutazione della personalità e di studiarne le proprietà di validità interna, la validità di costrutto convergente e divergente e di criterio concorrente. Inoltre, verrà testata l'invarianza di genere. Inoltre, lo studio ha come obiettivo di indagare come lo stile di vita (l'attività fisica, aderenza alla dieta mediterranea, comportamento alimentare), la dimensione dell'autostima e dell'elaborazione emotiva influenzano la percezione dell'immagine corporea.	Conferenze nazionali e internazionali	No	ASST Bergamo est
30	DSUS	Maura Crepaldi		Congenital heart disease as a risk factor for neurodevelopmental disorders: a longitudinal study	The main aim of this project is to identify the relation between congenital heart disease (CHD) and neurodevelopmental disorders. The project is structured around these fundamental and interlinked aims: we propose a longitudinal study of patients with CHD based on the three-factor model of vulnerabilities in neurodevelopment, "3Hit model of vulnerability in neurological development", focusing on their most common non-cardiac complication, with the aim of providing guidelines for their assessment and management and identifying early risk signals to enable integrated and more functional care.	Conferenze nazionali e internazionali	No	ASST Papa Giovanni XXIII