



LUCCA INSTITUTE FOR ADVANCED STUDIES



IMT LUCCA INSTITUTE FOR ADVANCED STUDIES

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IMT LUCCA INSTITUTE FOR ADVANCED STUDIES

IMT, Institutions, Markets, Technologies - Lucca Institute for Advanced Studies is a new Graduate School founded by four Italian Universities, "Politecnico di Milano" Technical University, Sant'Anna School of Advanced Studies of Pisa, Luiss Guido Carli University of Rome, University of Pisa, through the Consortium of Advanced Studies, Rome, and funded by the Italian Ministry of Education, University and Research and by the Lucca Foundation for Higher Education and Research.

Ph.D. programs and research labs at IMT focus on processes of institutional and technological change.

The main goal of the doctoral programs is to produce scientific and technological knowledge in areas marked by a lack of technological applications and skilled human capital.

IMT - Lucca Institute for Advanced Studies is an open, competitive Graduate School, designed to attract talented students and scholars.

IMT - Lucca Institute for Advanced Studies focuses exclusively on Ph.D. programs, achieving a significant integration between research and teaching.





Graduates from IMT - Lucca Institute for Advanced Studies combine robust theoretical grounding with advanced analytical techniques.

Students are provided accommodation as well as have access to the canteen facilities free of charge, in a campus located in an intact medieval Tuscan town, which blends innovation and functionality with an evocative atmosphere.

During the 3 years, students will spend studies and research periods abroad in private and public institutions.

IMT - Lucca Institute for Advanced Studies is managed by an Executive Committee and the presidency is held by Prof. Avv. Francesco Paolo Luiso.



The Consortium of Advanced Studies is directed by Prof. Gaetano Quagliariello.

The Graduate School is directed by Prof. Fabio Pammolli.

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POLITICAL SYSTEMS AND INSTITUTIONAL CHANGE

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The Doctoral Program aims at providing students with the analytical tools that have been developed by contemporary thought in history and social sciences.

The program focuses on comparative institutional analysis and on the patterns of institutional transformation, with a special emphasis on the performances of institutional systems, to develop proposals for reform.

The courses place emphasis on the historical, political-institutional and economic transition processes in Europe and in the former Soviet system.

They also develop a theoretical and practical analysis of the dynamics of EU institutions, in-depth study on Europe-US relations, and on the functioning of international institutions.

Graduates will be accomplished in political analysis at supra-national, national and regional levels, and will be equipped with deep knowledge of history, political-institutional theory, law, and political economy.

They will be professionally qualified to design and coordinate processes of international cooperation and integration, and develop and propose new policies applicable to nations in transition towards democracy and free-market systems.

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ECONOMICS, MARKETS, INSTITUTIONS

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The Doctoral Program is the training ground for researchers, analysts, and experts in the analysis of markets and industries, with particular emphasis on the relationships between competition policy and innovation, as well as regulatory reform and market liberalization.

The program combines theoretical, technical, and practical analytical skills to analyze, design, and manage projects within regulatory agencies, multinational corporations, consultancy companies, think-tanks, and research institutions.

Analytical techniques and models are challenged through a systematic investigation of real-world phenomena.

Graduates grasp both the commonalities and the distinctive traits of markets and industries, in terms of legislation and regulation, while considering their contractual, organizational, and technological features.

A major focus of the program is the process of institutional reform and market liberalization in Europe, to promote a higher reliance on market competition and supra-national market integration.

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Boston University, Boston

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TECHNOLOGY AND MANAGEMENT OF CULTURAL HERITAGE

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The Doctoral Program aims at developing new competencies for researchers and managers such as the comprehension and governance of protection, preservation, enjoyment and enhancement of cultural heritage.

The program is multi-disciplinary in nature.

Students acquire in-depth knowledge and problem-solving capabilities in areas where science and technology, artistic and architectural history, management and computer science come into play.

Graduates attain managerial capabilities relevant for applications in public and private bodies, universities or research centres to develop and manage recovery and/or enhancement projects in the field of artistic and architectural heritage.

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COMPUTER SCIENCE AND ENGINEERING

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The focus of the Doctoral Program is on the new wide-area networks that have fostered the development of a large variety of new, widely available products, services and applications and which are, at present, among the most highly researched areas at international level.

Students acquire extensive knowledge of the fundamentals and applications of architectures and languages for global and grid computing, web systems and services, in particular for business applications, embedded systems, web data mining, wired and wireless networks, and mobile systems.

In addition to offering broad scope for basic research, these domains define a professional area where all the needs of computer applications on wide area networks can find their fulfilment.

Research doctors are qualified to work in universities and research centres, or they may take on professional roles and high-profile tasks and responsibilities in both the private and public sector.

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BIOROBOTICS SCIENCE AND ENGINEERING

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The PhD Program in Biorobotics Science and Engineering aims at training researchers with the potential to lead Biorobotics research worldwide.

Biorobotics is a new scientific and technological area with a unique interdisciplinary character. It derives its methodology mainly from the sectors of Robotics and Biomedical Engineering, but boasts its cultural and application scope towards many sectors of engineering, towards basic and applied science (medicine, neuroscience, economics, law, bio/nanotechnologies in particular), and even towards humanities (philosophy, sociology, psychology, ethics).

Biorobotics aims at increasing knowledge on how biological systems work by analyzing them from a “biomechatronic” viewpoint; and exploiting this knowledge in order to develop innovative methodologies and technologies, both for the design and construction of high performance bio-inspired machines and systems (at the macro, micro and nano scales), such as animaloid and humanoid robots, and for developing devices for biomedical applications, e.g., for minimally-invasive surgery and neuro-rehabilitation.

The program will impart on its graduates a professional profile that combines substantial technical and scientific expertise in advanced areas and a system-oriented approach to design problems, with a vision that retains man at the centre of the development and the evaluation of technology, with the capability of conceiving and designing new and innovative (including industrial) research projects, and with an autonomous entrepreneurship capability.

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THE CAMPUS



The Ph.D. programs are held at the San Micheletto and San Ponziano complexes.

The two structures are located in the historical centre of Lucca and make up an integrated campus for advanced studies and research.

Advanced training and research at IMT - Lucca Institute for Advanced Studies are fully integrated thanks to the high quality of its services, and underlying scientific infrastructure.

The IMT - Lucca Institute for Advanced Studies library is of the highest international standard. A broad range of books and reviews in both hard copy and electronic format are available.

The town of Lucca itself has well-stocked libraries and important historical archives that students may access.



Students are provided with their own on-line workstation and the availability of advanced computing facilities. Students with scholarships have free board and lodging.

CONSORTIUM OF ADVANCED STUDIES ROME

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The Consortium of Advanced Studies is a new institution set up under the auspices of the Italian Ministry of Education, University and Research, to foster, coordinate and conduct research and higher education in the fields of political and social science, law, economics, management, as well as in industrial and computer technologies.

The Consortium's institutional activities are carried out through cooperation projects among the member universities, as well as in accordance with specific agreements with other universities, scientific institutions, public, and private bodies.

Specific agreements have been signed between the Consortium, the University of Pisa and the Lucca Foundation for Higher Education and Research in order to establish the IMT, Institutions Markets Technologies - Lucca Institute for Advanced Studies.

The Consortium is directed by Prof. Gaetano Quagliariello.

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LUCCA FOUNDATION FOR HIGHER EDUCATION AND RESEARCH

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The Lucca Foundation for Higher Education and Research, a non-profit organization, is founded on the principles of individual freedom and dignity, solidarity in society and among generations. Its objective is to foster the cultural, social and economic potential of the local community, promoting applied and basic research, to develop technical and scientific, professional, managerial and entrepreneurial skills.

Among the foundation's aims is to establish higher education and research programs to be conducted in the city of Lucca, to establish partnerships with universities and research bodies, and to cooperate in the design and implementation of an integrated support system of services and infrastructure, to attract young researchers and teaching staff with high international qualifications.

The Lucca Foundation for Higher Education and Research is founded by the municipality of Lucca, the Province of Lucca, the Foundation Cassa di Risparmio di Lucca, the Foundation Banca del Monte di Lucca, the Lucca Chamber of Commerce, Industry and Crafts and the Lucca Association of Industrialist. Those institutions, together with additional members from both the public and private sectors, of which 34 qualify as founder members, fund the IMT - Lucca Institute for Advanced Studies.

The presidency of the Lucca Foundation for Higher Education and Research is held by Prof. Avv. Francesco Paolo Luiso.

Institutional Founders

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THE TOWN AND ITS SURROUNDINGS



The streets and piazzas of the historic centre, the churches and buildings, and its overall urban layout show how smooth and uninterrupted its development has been over the centuries, providing an ideal setting for a campus within which experiences can be shared and personal contact enhanced.

Lucca and its surroundings are rich in history and, at the same time, open to the future.

Throughout the years, this medieval Tuscan city has maintained the characteristics of the small capital it was almost up to the unification of Italy.



The Renaissance city walls and the natural amphitheatre of the hills beyond combine in a perfect blend of nature and the work of man.

Beyond the hills, the beaches of Versilia and the mountains of Garfagnana are uniquely attractive by their variety and closeness to the town.

Lucca has good connections to other large towns, to cities and other university centres of the region and it is close to both Pisa and Florence international airports.

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