

FinTech (Financial Technology) means "technology-enabled financial innovation." There is a strong need to improve the competitiveness of the FinTech sector, creating high level experts, at the Phd level. Such experts, very much on demand by the market, should combine a solid mathematical and statistical background, with strong computer programming skills and with a firm understanding of the principles underlying economics and finance.

The aim of the proposed "Fintech" programme, within the Phd in Electronics, Computer Science and Electric Engineering of the University of Pavia is to create such profiles, very much on demand in the market, in collaboration with high quality financial and technological companies, and in partnership with high standing universities, at the European and international level.

Students interested in the proposed programme can visit or consult the links of the Fintech laboratory of the University of Pavia, which carries out research activity in the following areas:

- Statistical learning: linear regression, generalised linear models, network models
- Machine learning: tree models, neural networks, deep learning
- Statistical and Machine learning programming with R
- Statistical and Machine learning programming with Python
- Big data, Artificial Intelligence and Blockchain in Financial applications
- Financial risk measurement: systemic risk, compliance risk, cyber risk, fraud detection

Financial Technology Lab

Where: Department of Economics and Management, via San Felice, 7

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Links:

http://economia.unipv.it/pagp/pagine_personali/giudici/

<https://www.facebook.com/groups/bigmefi/>