

# SILVIO PETRICONI

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**Citizenship:** German

## POSITIONS HELD

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### **Deutsche Bundesbank**

Tech Lead Architecture & Security, Digital Euro Division since 03/2022

### **Católica-Lisbon CUBE**

Invited Researcher since 04/2023

### **Bocconi University**

Assistant Professor 2013 – 2022

### **Cornell University**

Visiting Assistant Professor 2017 – 2018

## EDUCATION

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### **Universitat Pompeu Fabra**

Ph.D. in Economics, Finance and Management (*sobresaliente "cum laude"*) 2014

M.Res. in Economics, Finance and Management 2008

### **Universität Leipzig**

Diplom in Physics and Vordiplom in Economics 2006

## PUBLICATIONS

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“Bank Competition and Information Production” (with Filippo De Marco),  
*forthcoming, Journal of Financial and Quantitative Analysis*

“The Redistributive Effects of Bank Capital Regulation” (with Elena Carletti and  
Robert Marquez), 2020, *Journal of Financial Economics* 136(3), pp. 743-759

“Intraday patterns and timing of TARGET2 interbank payments” (with Johannes Lindner  
and Marco Massarenti), 2012, *Journal of Financial Market Infrastructure*, 1 (2), pp.3-24

## WORKING PAPERS

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“Bank Competition, Information Choice, and Inefficient Credit Booms”.  
*Revise & resubmit, Journal of Financial Economics*

## WORK IN PROGRESS

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“The Shape of Central Bank Digital Currency”

“Settling CBDC with low latency”

“Blockchain, Zero Knowledge Proofs, and Digital Asset Liquidity”

“Digital Finance” (graduate-level textbook)

## AD-HOC REFEREE

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European Journal of Operational Research

Journal of Banking and Finance

Journal of Corporate Finance

Journal of Economic Theory

Journal of Finance

Journal of the European Economic Association

Management Science

Review of Economic Studies

Review of Economics and Statistics

Review of Financial Studies

## CONFERENCE AND SEMINAR PRESENTATIONS

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BIS CBDC Cybersecurity Conference (2023), FIRS Budapest<sup>d)</sup> (2022), MFA<sup>d)</sup>(2021), IWH Halle (2020), Uni Luxembourg (2020), Knut-Wicksell Conference on Financial Intermediation<sup>c)</sup>(2020), Frankfurt School of Finance<sup>c)</sup>(2020), University of Auckland (2019), WWU Münster (2019), ESCP Paris (2019), EFA Warsaw (2018), Goethe University Frankfurt (2018), KIT Karlsruhe (2018), SUNY Binghamton (2018), Cornell (2018), AFA (2018), Cornell/Penn State Macro Conference (2017), OxFIT<sup>c)</sup> (2017), CSEF-IGIER Symposium (2017), FTG summer conference evening session (2017), FIRS Hong Kong (2017), ESSFM Gerzensee (2016), LBS Second conference on Syndicated Loans<sup>d)</sup> (2015), FIRS Reykjavik (2015), LSE-SRC Economic Networks and Finance Conference<sup>d)</sup> (2014), EFA Lugano (2014), CSEF-IGIER Symposium (2014), FIRS Quebec City<sup>d)</sup> (2014), University of Vienna (2014), Banca d' Italia (2014), University of Melbourne (2013), University of Queensland (2013), HEC Paris (2013), Riksbank (2013), Frankfurt School of Finance (2013), European Central Bank (2013), Banque de France (2013), Bank of England (2013), Bocconi University (2013), London School of Economics (2013), RES Postgraduate Presentation Meeting (2013), SAEe Vigo (2012), Fifth conference on the Economics of Software and Internet Industries<sup>c)</sup> (2009), CRESSE (2009), EEA-ESEM Barcelona (2009)

<sup>d)</sup> Discussant <sup>c)</sup> Presented by coauthor \* scheduled

## GRANTS, HONORS AND AWARDS

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Bocconi Research Excellence Award, 2020

Bocconi Teaching Innovation Award, 2018-2019

NVIDIA Hardware Grant, 2018

BAFFI-CAREFIN Research Grant, 2017

FI Scholarship, Generalitat de Catalunya, 2009-2012  
Full Tuition Award, Universitat Pompeu Fabra, 2006  
Allianz-Hölderlin Scholarship, 2006-2007  
Procter & Gamble research prize, 2005  
USA Scholarship, Studienstiftung, 2002-2003  
German National Academic Foundation (Studienstiftung), 2000-2005

## TEACHING PORTFOLIO

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Finance with Big Data (for MSc.), Bocconi Univ., *instructor & course director*  
Banking Theory (for PhD students), Cornell University  
Financial Markets and Institutions (undergraduate), Bocconi University

## EARLY PUBLICATIONS IN PHYSICS

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Menzel, F.; D. Spemann, S. Petriconi, J. Lenzner, T. Butz, (2007) "Proton beam writing of submicrometer structures at LIPSION". *Nucl. Instr. Meth. B*, 260:(1), pp. 419-425.  
Menzel, F.; D. Spemann, S. Petriconi, J. Lenzner, T. Butz (2006), "Proton beam writing of microstructures at the ion nanoprobe LIPSION", *Nucl. Instr. Meth. B*, 250:(1-2), pp. 66-70.  
Esquinazi, P.; D. Spemann, K. Schindler, R. Höhne, M. Ziese, A. Setzer, K. Han, S. Petriconi, M. Diaconu, H. Schmidt (2005), "Proton irradiation effects and magnetic order in carbon structures". *Thin Solid Films*, 505:(1-2), pp. 85-89.  
Pratt, S. and S. Petriconi (2003), "Alternative size and lifetime measurements for high-energy heavy-ion collisions". *American Physical Review C*, 68, 054901.  
Cheng, S.; S. Petriconi, S. Pratt et.al. (2004), "Statistical and dynamic models of charge balance functions". *American Physical Review C*, 69, 054906.

## INSTITUTIONAL SERVICE

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Member, Degree Committee, Bocconi Data Science M.Sc.  
Member, Program Design Committee for Bocconi Data Science M.Sc.  
Organizer, Bocconi Finance Seminar Series

## CONFERENCE ORGANIZATION

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Scientific Committee Member, EFA Conference 2023  
Co-Organizer, Financial Intermediation Workshop, 2022 (w. Eva Schliephake)  
Scientific Committee Member, EFA Conference 2022  
Co-Organizer, EuroFIT Conference, December 2018 (w. Frederic Malherbe)  
Local Scientific Committee, EFA Conference, Fall 2021  
Organizer, European Junior Banking Online Seminar Series, 2021-23 (w. Eva Schliephake)

## SKILLS AND LANGUAGES

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**Languages:** German (native), English (fluent), Spanish (good), Italian (intermediate)

**Programming:** Python, C/C++, Matlab, Java, R, Solidity, Go.

**Other:** Distributed Consensus, Zero Knowledge Proofs, Ethereum Development

## REFERENCES

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Prof. Robert Marquez  
University of California, Davis  
3404 Gallagher Hall  
One Shields Avenue  
Davis, CA 95616, USA.  
Email: [rsmarquez@ucdavis.edu](mailto:rsmarquez@ucdavis.edu)

Prof. Carlo Favero  
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Bocconi University  
Via Röntgen 1  
20136 Milano, Italy  
Email: [carlo.favero@unibocconi.it](mailto:carlo.favero@unibocconi.it)

Prof. Andrea Sironi  
– President –  
Bocconi University  
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