

Address Wolfson College, Linton Road, Oxford
Place of Birth Waidhofen/Ybbs, Austria
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AFFILIATIONS

Since 4/2018 Junior External Faculty, Complexity Science Hub Vienna
Since 10/2017 Institute for New Economic Thinking, University of Oxford
Since 10/2017 Mathematical Institute, University of Oxford

EDUCATION

10/2017 - Present University of Oxford, UK
DPhil in Mathematics
Supervisors: J. Doyne Farmer, Cameron Hepburn and François Lafond

10/2015 - 6/2017 Vienna University of Economics and Business, Austria
MSc in Quantitative Finance, Science track in statistics & mathematics (Honors)

10/2012 - 5/2015 University of Vienna, Austria
BSc in Economics

9/2014 - 12/2014 New York University (NYU), USA
Exchange student in Economics, GPA: 4.0 (max.)

10/2011 - 11/2014 University of Vienna, Austria
BA in Political Science (Honors)

Summer schools and other programs

- 6-7/2019: Complex System Summer School (CSSS) at the Santa Fe Institute, USA
 - 6-8/2018: Young Scientist Summer Program (YSSP) in Advanced System Analysis at the International Institute for Applied System Analysis, (IIASA), Austria
 - 5/2018: IMPRESSIONS summer school on climate change, Bulgaria
 - Online Course: Global Warming I: The Science and Modeling of Climate Change by The University of Chicago on Coursera. Certificate earned on October 5, 2016
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PUBLICATIONS AND WORKING PAPERS

Pichler, A; Lafond, F; Farmer, JD (2020): Technological interdependencies predict innovation dynamics. In preparation

Diem, C; Pichler, A; Thurner, S (2019): What is the Minimal Systemic Risk in Financial Exposure Networks? Under review. arxiv.org/abs/1905.05931

Pichler, A; Poledna, S; Thurner, S (2018): Systemic-risk-efficient asset allocations: Minimization of systemic risk as a network optimization problem. Forthcoming in *Journal of Financial Stability*. arxiv.org/abs/1801.10515

TALKS

- (upcoming) 4/2020: Royal Economic Society's Annual Conference, Belfast
 - (upcoming) 3/2020: International Conference on Complex Networks (COMPLENET), Exeter
 - 1/2020: Mathematical Interdisciplinary Research at Warwick (MIR@W) day on large-scale production networks, Warwick
 - 1/2020: Workshop in Economics of Innovation, Complexity and Knowledge (WICK#7), Turin
 - 10/2019: European Association of Young Economists (EAYE) workshop on social networks, Paris
 - 9/2019: European Conference on Corporate R&D and Innovation (CONCORDi), Sevilla
 - 10/2018: Political Economy of Finance Conference for Early Career Researchers, Oxford
 - 9/2017: Conference on Network Models and Stress Testing for Financial Stability, Mexico City
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PROFESSIONAL SERVICES

Teaching

- 2020: TA in Network, Co-supervising Master thesis in Financial Economics (Karl Naumann)

Refereeing

- Physica A: Statistical Mechanics and its Applications
 - Simulation: Transactions of the Society for Modeling and Simulation International
 - North American Journal for Economics and Finance
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AWARDS

- Theodor Körner Prize for outstanding research of young scientists (2019)
 - Merit scholarship in economics, University of Vienna (2013-14)
 - Merit scholarship in political science, University of Vienna (2012-13)
 - Member of the Class of Excellence at the Department of Economics, University of Vienna
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OTHER PROFESSIONAL EXPERIENCE

2016	PwC Austria, Vienna, <i>Internship, Power & Utilities</i>
2015	Raiffeisen Bank International, Vienna, <i>Internship, Accounting Architecture</i>
2013	European Parliament, Brussels, <i>Internship in MEP office</i>
2011-12	Military Music Corps Lower Austria, St.Pölten, <i>Conscript and temporary-career volunteer</i>
2007-11	Böhler-Uddeholm Precision Strip, Böhlerwerk, <i>Apprenticeship industrial electrical engineering</i>

LANGUAGES

German (native language), English (fluent), French (basic)

PROGRAMMING AND SOFTWARE

Advanced: R, \LaTeX , Matlab, STATA, Gephi

Working knowledge: Python, AMPL, Netlogo, SQL, Unix, EViews, Bloomberg, TR Datastream

RESEARCH INTERESTS AND EXPERTISE

Evolution, stability and transitions of complex systems, (multilayer) networks, complexity economics, climate change, financial networks, production networks, technology networks