

Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

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Nationality(-ies)

Date of birth

Website

Assoc. Prof. Priv.-Doz. Mag. Dr. Peter Klimek

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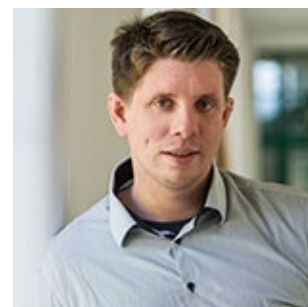
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Research areas

medical data science, network science, computational science, public health, systems medicine, modelling & simulation, machine learning, computational biology, risk research

Current positions

2017–

Faculty member, Complexity Science Hub Vienna

2017–

Associate Professor, Section for Science of Complex Systems, Medical University of Vienna, Austria. Faculty member, Complexity Science Hub Vienna

Experience

2018

Venia docendi (Habilitation) in Computational Science

2011–2016

Research Assistant and Assistant Professor, Section for Science of Complex Systems, Medical University of Vienna, Austria

2010–2011

Project Engineer at European Virtual Institute for Integrated Risk Management and Steinbeis Advanced Risk Technologies GmbH (EU FP7 projects iNTeg-Risk and Alfa-Bird), Stuttgart, Germany

2010–2011

Research Associate at IASA, XEvents Program, Laxenburg, Austria

2007–2010

PhD in natural sciences, physics (honors), University of Vienna.

2007–2009

Research associate, Complex Systems Research Group, MU Vienna

2006–2007

Diploma Thesis at the Institute for Quantum Optics and Quantum Information, Austrian Academy of Sciences.

2000–2007

Master program in theoretical physics at the University of Vienna (honors)

Publications

- >60 publications including first and last authorships in journals such as Proceedings of National Academy of Sciences, Nature Communications, Science Advances, Annals of the Rheumatic Diseases, Journal of Internal Medicine, Metabolism, Briefings in Bioinformatics, PLoS Computational Biology, ...
- >60 invited lectures and keynotes including conferences such as IGM, ECCB, CCS, WCPH, E-Health, European Forum Alpbach, ...
- Author of the textbook "Introduction to the theory of complex systems", together with Stefan Thurner and Rudolf Hanel, published by Oxford University Press.

Funding

2020–2021

Monitoring the Resilience of the Austrian Healthcare System, Medizinisch-Wissenschaftlicher Fonds der Bürgermeisters. Role: Co-PI, budget: EUR 100,000

2020

Tagesaktuelle Coronalagekarte, WWTF COVID-19 Rapid Response Call CoV20-17. Role: PI, budget: EUR 50,000

2019–2021	GOING-FWD (Gender Outcomes International Group: to Further Well-being Development), GENDER-NET Plus. Role: Co-PI, budget: EUR 150,000, total budget: 980,000
2019–2025	REMAIN (Mental ill-health and social integration among refugee minors) The Swedish Research Council. Role: Co-PI, budget: EUR 113,000, total budget: 2,300,000
2018–2022	D4Dairy (Digitalisation, Data integration, Detection and Decision support in Dairying) FFG COMET-Projects 7th call. Role: PI, budget: EUR 416,272, total budget: 5,548,445
2017–2021	Optimal gender-specific treatment paths on healthcare multiplex networks, WWTF <i>Mathematics and ...</i> Role: PI, EUR 645,800.
2015–2019	SmartResilience (Smart Resilience Indicators for Smart Critical Infrastructures, no 700621), Horizon 2020. Role: PI, EUR 299,750, total budget: EUR 4,960,831.
2014–2019	Various projects as PI funded by the Main Association of Social Security Institutions, combined budget of EUR 47,500.

Teaching

2018–	Lectures at TU Vienna, Data Science Master programme
2012–	Teaching courses at MUW in Complex Systems, PhD program Medical Informatics, Biostatistics and Complex Systems, Gender Medicine

Organization of scientific meetings

2019	Co-organizer, Workshop “Toward a theory of health trajectories from longitudinal data”, CSH Workshop Series, Vienna, Austria (approx. 15 invited international researchers)
2016	Co-organizer, Workshop “Future directions in medical data science”, CSH Workshop Series, Vienna, Austria (approx. 15 invited international researchers)
2015	Co-organizer, Stakeholder Workshop “Big data, complexity, and the health care system”, CSH Workshop Series, Vienna, Austria (approx. 30 participants from key stakeholders in the Austrian health care system)
2014	Co-organizer, Satellite Session “MULTIPLEX”, ECCS 2014, Lucca, Italy (100 participants)

Commissions of Trust

2020–	COVID Forecast Consortium, Federal Ministry of Labour, Social Affairs, Health and Consumer Protection
2018–	Scientific Advisory Board A-IQI, Federal Ministry of Labour, Social Affairs, Health and Consumer Protection
2011–	Program Committee of Conferences: Complex Networks, NetSci X, ECCS, ENIC, ISMB/NetBio, ISMB/ECCB, ...
2008–	Reviewer for Proceedings of the National Academy of Sciences, Nature Human Behaviour, Scientific Reports, Journal of Statistics, Royal Society Open Science, Royal Society Interface, PLoS ONE, PLoS Computational Biology, New Journal of Physics, Physical Review E, Physica A, Journal of Statistical Mechanics, European Physical Journal B, Applied Network Science, Bioinformatics, Computational Social Science, Journal of Computational Science, Cliodynamics, ...