

CURRICULUM VITAE

Dr. Dr. Matthias P. Finger

Full Professor and Chair, Management of Network Industries (MIR),
College of Management of Technology (CdM), Ecole Polytechnique Fédérale Lausanne
(EPFL)

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Narrative of Achievements

Matthias P. Finger received a PhD in Education in 1986 and a PhD in Political Science in 1988 both from the University of Geneva, Switzerland. His career led him to be an Assistant Professor at Syracuse University, an Associate Professor at Columbia University, a Full Professor at the Swiss Graduate Institute of Public Administration and, since 2002, a Full Professor and Chair at the Ecole Polytechnique Fédérale Lausanne (EPFL) in Switzerland. Since 2010, he serves as the Director of the Florence School of Regulation's Transport Area and as such is a part-time professor (10%) at the European University Institute in Florence, Italy. As of 2018, he is also a professor at Istanbul Technical University, Istanbul, Turkey, where he directs the Istanbul Center for Regulation.

Prof. Finger's achievements in research, teaching, and service are summarized as follows:

- Received more than 8 Mio. USD in research grants, among which a 2,1 Mio. EU grant on water liberalization scenarios.
- Graduated, since being at EPFL (2002), 24 PhD students, numerous masters and executive masters students, and currently advises 6 PhD students; sat on 33 PhD committees since being at EPFL
- Authored, co-authored, edited or co-edited 34 books, 94 refereed journal articles, 87 book chapters, as well as numerous non-peer-reviewed chapters and conference papers
- Has developed a global executive master in Innovative Governance of Large Urban Systems which runs since 2014
- Teaches four Massive Open Online Courses (MOOCs) on the Coursera and EdX platforms (Management of Urban Infrastructures, Smart Cities, GlobalArctic, Innovative Governance of Large Urban Systems)
- Has been actively involved in University service, among which as Dean of Continuing Education between 2003 and 2009, and since 2014 as Director of EPFL's Institute of Technology and Public Policy

- Serves as an editor-in-chief of the Journal *Competition and Regulation in Network Industries* (Sage) and related Annual Conference. Serves on the editorial board of *Utilities Policy*, in charge of special issues (Elsevier) and several other journals

Personal Data

Name: Matthias P. Finger
Title: Professor and Chair Management of Network Industries
Date of birth: July 11, 1955
Citizenship: Switzerland, France
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Education

1984-1988 **PhD in Political Science**
University of Geneva, Geneva, Switzerland
Advisor: Prof. Dusan Sidjanski

1982-1986 **Ph.D. in Education**
University of Geneva, Geneva, Switzerland
Advisor: Prof. Pierre Dominicé

1982-1985 **M.A. in Education**
University of Geneva, Geneva, Switzerland

1979-1982 **M.A. in Political Science**
University of Geneva, Geneva, Switzerland

1975-1978 **B.A. in Political Science**
University of Geneva, Geneva, Switzerland

Administrative Experience

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- 2020- **Consultant**, Center for Digital Trust (C4DT), Ecole Polytechnique Fédérale Lausanne (EPFL)
- 2020- **Counsel**, swiss-economics SE AG, Zürich
- 2018- **Manager**, Istanbul Center for Regulation, based at Istanbul Technical University, Istanbul, Turkey
As Founding Director I am currently building this Center for the entire region. The center will cover all traditional (transport, energy, telecommunications, postal services, water) and new network industries (digital platforms). It will mainly organize stakeholder forums for the relevant actors in these industries. www.ic4r.net
- 2014-2018 **Director**, Institute of Technology and Public Policy, Ecole Polytechnique Fédérale Lausanne (EPFL), Switzerland
As Founding Director I have built up this Institute at the interface between technology and policy. The Institute of Technology and Public Policy was closed as a result of a straty change of the new presidency of EPFL.
- 2002- **Swiss Post Chair**, Management of Network Industries, College of Management of Technology, Ecole Polytechnique Fédérale Lausanne (EPFL), Switzerland
As Founding Chair, I started this Chair in Fall 2002; I specialize in the study of the transformation, regulation, and governance of the network industries (postal services, telecommunications, electricity, public transport, water, air transport, and gas). The Chair itself is sponsored by Swiss Post and occupies a particular niche at the interface between engineering and social sciences, between theory and practice, as well as between the public and the private sector. <http://mir.epfl.ch>
- 2010- **Director**, Transportation Area, Florence School of Regulation, European University Institute, Florence, Italy
I head the third area of infrastructure regulation and policy (next to the areas of energy and communications) within the Florence School of Regulation. The main focus is on policy relevant research for the European Commission, training for European and other transport regulators, and networking. The area is entirely sponsored by industry. We publish a so-called “European Transport Regulation Observer”, along with the summaries and analyses of our regular stakeholder meetings covering railways, air transport, urban public

transport and road transport, and are now also taking up maritime transport. www.florence-school.eu.

- 2003-2009 **Dean**, School of Continuing Education, EPFL, Switzerland
As Dean I had taken on the task of restructuring the existing programs and building up a full-fledged School of Continuing Education (next to the Doctoral School and the Masters/Bachelor School) with the purpose of making it client-oriented, financially self-sustaining, and fully aligned with the strengths and strategy of the University. I chose not to renew my Deanship for another 6-year period.
- 2003-2008 **Co-Director**, Sino-Swiss Management Training Center, University of St. Gallen, Switzerland
This center was set up in 2003 as a result of obtaining a 10 Mio. CHF grant from the Swiss Development Cooperation (SDC) to support public sector and public enterprise reform in China by means of training and advising the China Training Center for Senior Personnel Management Officials (CTCSPMO) in Beijing. I chose not to renew my contract after five years of service. The program continues till today.
- 1995-2002 **Director**, Management of Public Enterprises Unit, Swiss Graduate Institute of Public Administration, Lausanne, Switzerland
As Founding Director, I created this Unit in 1995 and developed it into a team of five full-time researchers, serving 20 Masters Students (M.A. projects) and 2-3 doctoral students annually. The Unit operated with an annual budget of approximately \$500,000, which was financed through sponsorship (Swiss Post), consultancy services, and research contracts. I quit the Institute after having been appointed at EPFL.
- 1997-1999 **CEO**, CreaPost Consulting, Berne, Switzerland
In 1997, Swiss Post decided to set up an independent consulting firm, and I was selected to become its CEO and Executive Board member. As such, I have managed this subsidiary of Swiss Post specializing in research, development and international postal (logistics and communications) consulting with an annual budget of approximately \$2 Million. I developed a strategy for international consulting, signed a Memorandum of Understanding with the British Postal Consultancy Service (BPCS, the market leader), acquired a substantial contract with BPCS on the reform of the Greek Postal Service, and positioned CreaPost internationally. As a result of a change in leadership at Swiss Post, this subsidiary was closed and integrated back into the mother firm.

- 1993-1994 **Director**, Adult Education Guided Independent Study (AEGIS), Teachers College, Columbia University, New York
 After having taken over the direction of the AEGIS program in 1993, I developed a new vision and strengthened AEGIS' reputation as an innovative doctoral program for working adults in leadership positions. I focused, in particular, on developing the linkage between theory and practical applications. I also managed to attract leading scholars as adjunct faculty. The AEGIS program continues until today.
- 1991-1992 **Manager**, International Academy of the Environment, Geneva, Switzerland
 In the context of preparing for the United Nations Conference on Environment and Development (UNCED, 1992), I designed training modules for decision makers on issues of global environmental change and development. The unique approach to these training modules resulted in the participation of experts and decision-makers from different and at times conflicting viewpoints, who, during the course of the training, were able to understand their different perspectives and develop common positions.

Academic Faculty Experience

- 2020-present **Full Professor**
 Northern Arctic Federal University (NArFU), Akangelsk, Russia
- 2020-present **Professor Emeritus**
 Ecole Polytechnique Fédérale Lausanne (EPFL), Lausanne ; Switzerland
- 2018-present **Full Professor**
 Istanbul Technical University (ITÜ), Istanbul, Turkey
- 2010-present **Part-time Professor (10%)**
 European University Institute, Florence, Italy
- 2002-2020 **Full Professor**
 Ecole Polytechnique Fédérale Lausanne (EPFL), Lausanne, Switzerland; I was hired as full tenured professor
- 1995-2002 **Full Professor**
 Swiss Graduate Institute of Public Administration, Lausanne, Switzerland; I was hired as full tenured professor

1992-1994	Associate Professor Teachers College, Columbia University, New York, USA; did not apply for tenure
1989-1991	Assistant Professor Maxwell School of Citizenship and Public Affairs (50%) and School of Education (50%), Syracuse University, Syracuse, New York, USA; this was a non-tenure track position
1986-1989	Lecturer Department of Political Science, University of Geneva, Geneva, Switzerland

Visiting appointments

I have held various visiting professorships in the past, notably at Delft University of Technology, Delft, the Netherlands; Tecnologico de Monterrey, Guadalajara, Mexico, Bahçesehir Üniversitesi, Istanbul, Turkey.

Areas of research

I pursue the following four main research interests:

- In the area of the **network industries**, which is my main research area, I am researching (1) the co-evolution between institutions and technology, the idea being to establish an empirically verifiable link between a given state of technology, a state of institutional governance, and performance (in these infrastructures). (2) More precisely, I am interested in the governance of infrastructures as socio-technical systems. Intellectually grounded in new institutional economics, I am seeking to develop efficient, effective, and legitimate governance by identifying the most relevant actors for such governance (public, private, third sector), as well as their optimal relationships (in regards to efficiency, effectiveness, and legitimacy). (3) More concretely, I apply such considerations to the regulation of the network industries in the communications, the transport, the energy, and the water sectors. This is the research area I am best known for. (4) Finally, and building also on my previous position as Professor of management of public enterprises, I continue my interest in matters of firm behavior and strategy under regulation, whereby I study the way regulated companies (mainly in the

infrastructures) develop their so-called non-market strategies aimed at shaping their regulatory environment. See: www.network-industries.org

- Holding the Swiss Post Chair in Management of Network Industries, and before the Swiss Post Chair in Management of Public Enterprises, I have developed a solid competence about the **postal industry**, and I am probably today the world's leading expert on postal services, their regulation, and their rapid transformation, first as a result of competition and, since the past 10 years, also as a result of digitalization. Building also on my previous expertise in matters of e-government, this has triggered, more recently, a strong research interest on the effects of **digitalization** on posts, logistics and infrastructures more generally. See: <http://postal-innovation.epf.ch>
- I have developed, over the past five years, a new research area in matters of **governance of large urban systems**. While building on my expertise in network industries, I have taken urban socio-technical systems as the focus of analysis, considering them to be the most relevant unit where current infrastructure problems arise and are/must be solved. I pursue this interest by way of a global action-research project together with all the relevant actors, namely city governments, urban infrastructure managers, suppliers and Universities. See: www.iglus.org
- I have a long-standing research interest in matters of **environment and development**, dating back to my publications around the Rio-process (1992) and subsequent critical publications on the unsustainable development path of industrial societies. I have recently come to focus this interest on the Arctic region around a collective research project entitled *GlobalArctic*. See: www.globalarctic.org

Grants, contracts, and proposals (only funded grants, chronological):
overall more than 8 Mio. USD

Under EPFL rules, the only way to spend research money is for funding PhD students. Most of my PhD students are funded either by my EPFL budget, by Swiss Post or by other firms or organizations, thus reducing somewhat the pressure apply for research funding.

1. Principal investigator: Integration of the Swiss energy system into the European energy policy (Swiss National Science Foundation) 2018-2019 (100'000 CHF)
2. Principal investigator: Infrastructure funding challenges in the sharing economy (Study for the European Parliament) from 2016-2017 (55'000 €)

3. Co-principal investigator: Integration of the Swiss public transport system into the regulatory context (with Prof. Ulrich Weidmann, ETHZ); SBB Research Fund, 2014-2015 (45'000 CHF)
4. CHANGE: Swiss (CH) Applied Research Network on the Economics and Governance of the Energy Transition (Consortium); one PhD student from 2014 to 2017 (approx. 300'000 CHF); this funding has just be renewed for another 4-year period (2018-2020)
5. IGLUS – Innovative Governance of Large Urban Systems: Guadalajara as a case study for Latin American Cities (Swiss State Secretariat for Education and Research, Bilateral Programme with Mexico), 2012-2013, 160'000 USD
6. Co-principal investigator : Rail performance index, financed by SNCF (Société Nationale des Chemins de Fer, France), 2012-2015, 75'000 Euros for my part
7. Co-principal investigator: Addressing Liability Impact of Automated System (ALIAS), EU 7th Framework Program, 2011-2013, 25'000 Euros for my part
8. Principal investigator: incentive-based governance of the Swiss railway policy, SBB Research Fund (Swiss Railway Company), 2011-2012 (18 months), 170'000 CHF
9. Principal investigator: Governance of Competition in the Swiss Railway Sector, SBB Research Fund (Swiss Railway Company), 2010-2011, 100'000 CHF
10. Partner: EU Project Think Tank Energy (directed by Prof. Jean-Michel Glachant, Florence School of Regulation); in charge of a policy document for the European Commission on Transport and Energy, 2009-2011; Euros 22'000 for my part
11. Co-principal investigator: Project “Performance and change in the local water sector (Switzerland, Germany, England)”, joint project with Prof. Andreas Klinke, EAWAG, financed by the Swiss National Science Foundation, 2009-2011; 217'000.- CHF
12. Co-principal investigator: Project “Customs Risk Management”, joint project with Prof. Ari-Pekka Hameri, University of Lausanne, financed by the Swiss National Science Foundation, 2008-2010; 215'000.- CHF.
13. Partner: Project “Next Generation Infrastructures”, joint project with TU Delft, Paris I Sorbonne, George Mason University financed by NGI-TU Delft; 2007-2008; 100'000.- Euros for my part

14. Partner: Project “TetraEner” (Optimal balancing of demand and supply through RES in urban areas), Integrated project, EU 6th Framework Programme, Priority 6.1. “Sustainable Energy Systems”, 15’000.- CHF, 2005-2007
15. Co-Principal Investigator (with Prof. H. Dietl, University of Zürich): Research grant from the Swiss National Science Foundation on “Postal regulation and enterprise innovation”, 400’000.- CHF, 2005-2007
16. Director: Capacity-building for the Institute for Environment and Resources (IER), Ho Chi Minh City, Vietnam (EPFL Technical Cooperation project), 1,1 Mio. CHF, 2005-2007
17. Principal Coordinator: “Water liberalisation scenarios: an empirical analysis of the evolution of European water supply and sanitation sectors”. EU research grant 5th Framework Programme, approx. 2,4 Mio. Euros, 2002-2005
18. Partner: Capacity-building for the Institute for Environment and Resources (IER-CEFINEA), Ho Chi Minh City, Vietnam (EPFL Technical Cooperation project), 250’000.- CHF, 2002-2004
19. Principal Investigator: Comparative study on the effectiveness of telecommunications’ regulators. Swiss Federal Office of Telecommunications, Bienne, Switzerland, 120’000 CHF, 2002-2003
20. Principal Co-investigator: Evaluation of e-government efforts in the Americas and Western Europe. A Collaborative Research Project between the Information and Computing Technology Group of the Maxwell School of Syracuse University and the E-Government Research Institute of the University of Seoul, approx 3’000.- USD, 2002
21. Principal Coordinator in Switzerland and Swiss Delegate to the European Commission COST A14 Action (e-government), approx. 500’000.- CHF (in Switzerland), 2002-2003
22. Principal Co-Investigator: small Research Grant to study electricity liberalization in Europe under the auspices of the Norwegian School of Business. I was in charge of one of three sections of a book resulting from this research project, and which will address electricity regulation, Oslo, Norway, 10’000 CHF, 2000-2002.
23. Principal Investigator: Research Grant to investigate the practices of e-voting in Europe, Swiss Federal Office for Science and Education and European Union COST A14 Program, Berne, Switzerland, 2001, CHF 120’000.

24. Principal Investigator: Research Grant to establish a position paper for IUCN on “Comprehensive Governance”, World Conservation Union (IUCN), Gland, Switzerland, 1999-2000, CHF 30’000.
25. Principal Investigator: Research Grant to analyze the impact of new transport legislation on regional transport operators, Swiss Postal Car Services, Berne, Switzerland, 1997-1999, CHF 150’000.
26. Principal Investigator: Research Grant “Organizational and interorganizational learning towards sustainability”, Swiss National Science Foundation, Berne, Switzerland, 1996-1999, CHF 470’000.
27. Principal Investigator: Grant to Transfer Results from Previous Research (see next point) into Practice, Swiss National Science Foundation, Berne, Switzerland, 1993-1994, CHF 50’000.
28. Principal Investigator: Research Grant “Environmental Organizational Learning”, Swiss National Research Foundation, Berne, Switzerland, 1991-1993, CHF 200’000.
29. Co-Investigator (with Thomas Princen): Research Grant “Environmental NGOs in International Politics”, Canadian Government, Ottawa, 1991-1992, US\$ 17’000.
30. Principal Investigator: Research Grant “Environmental Adult Learning”, Swiss National Science Foundation, Berne, Switzerland, 1991-1992, CHF 105’000.
31. Co-Investigator (with Pascal Sciarini): Research Grant “Changing Political Behavior in Switzerland”, Swiss Society for the Promotion of the Economy, Zurich, Switzerland, 1990, CHF 50’000.

Student advising (current and past since 2007)

PhD Students on Track: 6

1. Geren, Ali, ITÜ, director, approximate graduation date 2021
2. Klein, Raphael, “Exploring policy change through agent-based simulation” (Management of Technology), EPFL, director, approximate date of graduation June 2020 (financed by SCEER/CREST)
3. Kürsat, Ali, “Airport connectivity”, ITÜ, director, approximate graduation date 2021

4. Shen, Jiayun, “Measuring smart cities performance” (Management of Technology), EPFL, director, approximate graduation date September 2020 (financed by Swiss Post)
5. Sudarkasa, Michael, “Financing of energy infrastructures in Africa” (Management of Technology), EPFL, director, approximate graduation date 2020 (self-financed)
6. Zeki, Engin, “Centralized services for the Single European Sky” /Management of Technology), EPFL, director, approximate graduation date September 2020 (financed by Eurocontrol, Brussels)

PhD students graduated since being at EPFL: 24

1. Van Baal, Paul, “Policy analysis during socio-technical transitions: three essays on the Swiss energy transition” (EPFL), defended October 2019
2. Liechti, Fabian, “Conflicting accountabilities of State-Owned Enterprises vis-à-vis government” (EPFL), defended June 2019
3. Audouin, Maxime, “Towards Mobility-as-a-Service: a cross-case analysis of public authorities’ roles in the development of ICT-supported integrated mobility schemes” (EPFL), defended December 2018
4. Mühlemeier, Susan, “Resilience and agency in mature sustainability transitions. Theoretical conceptualisation and empirical analysis of actor- and system-level dynamics in sociotechnical energy systems” (EPFL), co-director (Director: Prof. Claudia Binder), defended October 2018
5. Verhoog, Reinier, “Governance of Energy Transition” (Management of Technology), EPFL, director, (financed by CHANGE research project), defended February 2018
6. Oberrauch, Felix, “Institutions for investment into hydropower” (Civil Engineering and Environment), EPFL, co-director; defended January 2017
7. Kollara, Kumar, “Diversification of postal operators into electronic services” (Management of Technology); EPFL, director, defended January 2017 (financed by Swiss Post)
8. Rentsch, Carole, “Managing government-SOEs relations” (Management of Technology), EPFL, director, defended December 2016 (financed by Swiss Post)

9. Razaghi, Mohamad, "Conditions for training urban infrastructures managers" (Management of Technology), EPFL, director, defended October 2016 (financed by my Chair)
10. Greinus, Anne "Investments in railway infrastructures" (tentative title, given the early stage of research) (Management of Technology), EPFL, defended December 2015 (financed by Swss Federal Office of Transport)
11. Männistö, Toni "Mitigating crime risk in the international logistics network – the case of Swiss Post" (Management of Technology), EPFL, director, defended December 2014 (financed by DHL)
12. Dyllick-Brenzinger, Ralf "Energy policy in the Middle East" (Management of Technology), EPFL, defended October 2014 (financed by EPFL's Energy Center)
13. Lieberherr, Eva "Transformation of Governance in the Water Sector: a comparative performance analysis of Switzerland, Germany and Great Britain" (Management of Technology), EPFL, defended June 2012 (financed by a research project from the Swiss National Science Foundation)
14. Duthaler, Christof "A network- and performance-based zonal configuration algorithm for electricity systems (Management of Technology), EPFL, defended May 2012 (financed by Swissgrid, Switzerland's TSO)
15. Maegli, Martin "Regulatory institutions in the postal sector: consequences for the behavior of regulators and the costs of regulatory governance" (Management of Technology), EPFL, defended May 2012 (financed by Swiss Post)
16. Crettenand, Nicolas "The facilitation of mini and small hydropower in Switzerland through institutional mechanisms" (Management of Technology), EPFL, defended April 2012 (financed by my Chair)
17. Treviño, Luis "Managing electricity sourcing in Europe's energy intensive industry" (Management of Technology), EPFL, defended July 2011 (financed by CEMEX, Mexican cement company)
18. Iliadis, Niko "Financial risk modeling in electricity portfolio optimization: a stochastic dual dynamic programming approach for hydroelectric assets (Energy), EPFL, defended February 2009; redefended May 2011 and failed (self-financed)
19. Schwark, Bastian "Determinants of firms' strategies in matters of electricity regulation" (Management of Technology), EPFL, defended April 2011 (financed by McKinsey)

20. Abdallah, Farah, "Collaboration and competition in Standard Setting Organizations" (Management of Technology), EPFL, defended November 2010 (financed by the Universa Postal Union, a UN agency)
21. Nguene, Gustave "Strategic options of energy service companies in competitive markets" (Management of Technology), EPFL, defended February 2009 (financed by my Chair)
22. Felisberto, Catia "The effect of liberalisation on incumbent's innovation. The case of the postal sector" (Management of Technology), EPFL, defended May 2008 (financed by my Chair)
23. Mollet, Patrick "Diversification into logistics. Strategies for postal incumbents in Europe" (Management of Technology), EPFL, defended January 2008 (financed by Swiss Post)
24. Manso, Patricia "Reform and risk management in the urban water sector: the role of regulation" (Management of Technology), EPFL, defended October 2007 (financed by my Chair)

Accompanying EPFL MS students (internships in a firm): 38

1. Nicolas Hatem (Engie), 2020
2. Jean Haizmann (raized.ai), 2020
3. Adrien Proby (Romande Energie), 2020
4. Vincent Smet (KTH), 2019
5. Robert Abboud (with Quaero Capital), 2019
6. Ali Benali, 2018
7. Manuel Catajar, 2018
8. Valentin Terrail (with Swiss Embassy Korea), 2017
9. Maria de Roche (with Almatech), 2017
10. Theophile Verhes (with SIG), 2017
11. Alex Mouradian (with city of Vienna), 2016-2017
12. Shobhna Kondepudi (with Proctor & Gamble), 2016
13. Alejandro Nunez-Jimenez (with ETHZ), 2016
14. Dimitri Gros (with Swiss Railways, SBB), 2016
15. Paul van Baal (with BKW, Swiss electricity producer and distributor), 2016
16. Yasmine Zakari (with Stanford University), 2016
17. Ionita, Costin, Big data (with Philip Morris), 20
18. Agnel, Adrien, Advanced analytics (with Dassault Systems), 2015
19. Audouin, Maxime, Urban transport (with Sunkyunkwan University), 2015
20. Stavroula, Margelou, Adoption of solar energy (with Paul Scherrer Institute), 2015
21. Sanchez-Schmidt, Laura, Bioplastics (with Nestlé), 2013

22. Sarikayali, Sercan, Turkey and the Single European Sky (with Skyguide), 2013
23. Stoenescu, Corina, Distributed energy production and trading (with BKW), 2013
24. Corpataux, Rémy, Strategic options for the Swiss Luxury Watch Industry (with Rolex), 2012
25. Baechler, Serge, Smart Energy Storage (with TotalFina), 2012
26. Rahmadinejad, Mahdi, Broadband in Central Asia (with Informa), 2011
27. Paragis, Ana, Innovation Index for Postal Operators (with Swiss Post), 2009.
28. Tabatabaee, Hanif, Benchmarking and profitability analysis (with IATA), 2009.
29. Tangui, Achraf, e-government services (with Swiss Post), 2009.
30. Cartier, Jérémie, Sustainable Agriculture Platform (with Nestlé), 2008.
31. Caspar, Olivier, Transport planning (with Car Postal, Swiss Post), 2008.
32. Matei, Ionut, Mail processing (with Swiss Post), 2008
33. Adler, Corinne, Membrane-based Wastewater Treatment in China (with EAWAG, Aquatic Research Institute), 2007.
34. Magnet, Anouys, Energy sourcing (with Cemex), 2007.
35. Follonier, Sylvain, Telecom-Media convergence (with Sunrise Telecommunications), 2007.
36. Padovani, Alice, Wireless Ground Link Communication Solution (with Easyjet) (2007)
37. Lehmann, Matthieu, Toxic Waste Certification (with Cotecna Inspection), 2007.
38. Demarco, Daniele, Revenue Protection Management (with Swiss Post), 2006

PhD dissertation committees: 34

1. Foy, Shirah, “Entrepreneurship across sociocultural contexts. Empirical and theoretical perspectives”, EPFL, defended May 2020 (advisor Marc Gruber)
2. Freyre, Alicia, «*Energy programs for buildings. Analysis in the context of the Swiss energy transition*», University of Geneva, defended April 2019 (advisor : Prof. Martin Patel)
3. Hasler, Stéphanie, «*De Smart à Responsive, les enjeux de la planification urbaine à l'ère du numérique*», EPFL, defended November 2018 (advisor : Prof. Jérôme Chenal)
4. Vidal, Florian, “Les relations entre la Norvège et la Russie en Arctique. Regard et analyse sur une dynamique régionale à l'ère de l'Anthropocène”, Université de Paris V, defended October 2018 (advisor: Prof. Thierry Garcin)
5. Bonneville, Jean-Baptiste, “Quel modèle économique pour une offre de transport de voyageurs porte-à-porte?”, Université Paris-Est, defended January 2018 (advisor: Sylvain Zeghni)

6. Doomernik, Jack, “Strategies for international high-speed rail operators in the European passenger transport market”, University of Antwerp, defended April 2017 (advisors: Thierry Vanelslander & Edd van de Voorde)
7. Bornet, Cyril, “Narrative recomposition in the context of digital reading”, EPFL, defended February 2017 (advisor: Frédéric Kaplan)
8. Benedetto, Valerio, “The impacts of regulatory structures on the efficiency of European railway systems”, Leeds University, defended December 2016 (advisors: Andrew Smith and Chris Nash)
9. Monkelbaan, Joachim, “Global Change, Sustainability, Governance: Constructing an Integrative Framework for Steering Transitions”, University of Geneva, defended December 2015 (advisor: Martin Patel)
10. Jafarbegloo, Maryam, „Where is my place? The reflection of home and country on Iranian immigrants’ homemaking”, EPFL, defended November 2015 (advisor: Pierre Frey)
11. Koradi, Pascal, “Ausgestaltung der Finanzberichterstattung als mögliche Erklärungsgrösse für wichtige Werttreiber einer regionalbank”, Universität Zürich, defended September 2015 (advisor: Conrad Meyer)
12. De Maat, Sytse “Symbiosis of people and building” (Architecture), EPFL, co-director, defended September 2015 (advisor: Pierre Frey)
13. Chickhale, Mayur, “A component-based Case Study Approach for effective Governance of Large-Scale Extended Enterprise Systems”, Stevens Institute of Technology, Hoboken NJ, defended April 2015 (advisor: Mo Mansouri)
14. Khansari, Nasrin, “A multi-stakeholder framework for sustainable energy behavior: a multi-disciplinary systems study”, Stevens Institute of Technology, Hoboken NJ, defended April 2015 (advisor: Mo Mansouri)
15. Cabello Llamas, Alan, “Customer-centered innovation processes for small and large firms”, EPFL, defended December 2014 (advisor: Chris Tucci)
16. Ofusu-Adarkwa, Kwaku, “ICT-enabled governance: towards a model of engagement of rural and local communities”, Open University Malaysia, defended December 2014
17. Perennes, Patricia, “Spécificité du secteur ferroviaire et liberalization. L aquestion du signal prix”, Paris 1 – Sorbonne, defended December 2014 (advisor: Claude Ménard)

18. Nuguer, Victoria, "Financial frictions in macroeconomic models: policy analysis from an empirical and theoretical perspective", EPFL, defended May 2014 (advisor: Luisa Lambertini)
19. Darabi, Hamid, "Governing competition and collaboration", Stevens Institute of Technology, defended May 2014 (advisor: Mo Mansouri)
20. Muqbil, Burhan "Patent filing behavior and patent portfolio management: a study of Indian Public Funded Research Organizations (PRFOs)", Indian Institute of Technology, defended February 2014
21. Gonzalez, Nancy "Non-market strategies and innovation in the telecommunications sector", Tecnologico de Monterrey, defended January 2014 (advisor: Alejandro Ibarra-Yunez)
22. Scholten, Daniel "Keeping an eye on reliability. The organizational requirements of future renewable energy systems", Delft University of Technology, defended June 2012 (advisor John Groenewegen)
23. Hintsala, Juha "Post-2001 Supply Chain Security – Private Sector Implications", University of Lausanne, defended September 2010 (advisor Ari-Pekka Hameri)
24. Jonker, Martijn "Modernization of electricity networks. Exploring the interrelations between institutions and technology", Delft University of Technology, defended August 2010 (advisor: John Groenewegen)
25. Malhotra, Charru "Design of citizen centric e-governance systems: a study of select ICT based rural systems", Indian Institute of Technology Delhi, defended July 2010 (advisor: K. Gupta)
26. Seppälä, Tiina "Globalizing Resistance: An analysis of the Premises of the 'New' Anti-War Movement in Britain", University of Lapland, defended June 2010 (advisor: Julian Reid)
27. Geambasu, Georgeta " Expect the unexpected: an integrative model of conditions and factors driving the resilience of infrastructure projects", EPFL, defended April 2010 (advisor: Francis-Luc Perret)
28. De Mariz, Christine "Lead procurement agencies in Sub-Saharan Africa", University of Paris 1 – Sorbonne, defended June 2009 (advisor Claude Ménard)

29. Villaroel, Andrei "Open Source Corporate Strategy: Unveiling the firm's open sources of competitive advantage", EPFL, defended June 2008 (advisor: Christopher Tucci)
30. Trinkner, Urs "Applied Industrial and Regulatory Economics – The Case of Liberalizing the Mail Market", University of Zürich, defended November 2007 (advisor Helmut Dietl)
31. Ehrensperger, Marc "Conditions for successful public-private partnerships in civil public construction" (in German), University of St. Gallen, defended October 2007 (advisor Kuno Schedler)
32. Gutierrez, Jimena "«A Model for the Design of Effective and Resilient Supply Chain Security Management Systems", EPFL, defended November 2007 (advisor: Philippe Wieser)
33. Dorvil, Patrick "Privatization of Waste Management Services", University of St. Gallen, defended June 2007 (advisor Thomas Dyllick)
34. Kjellén, Marianne "From public pipes to private hands: water access and distribution in Daar El Salaam", University of Stockholm, defended June 2006 (advisor: Mats Widgren)

Teaching (past 6 years, including overall teaching evaluations where available)

On-Campus Master courses taught at EPFL

- Corporate Governance:
 - Spring 2011 (42 hours): Evaluation 5,8/6, best teacher award
 - Spring 2012 (42 hours): Evaluation 5,2/6
 - Spring 2013 (42 hours): Evaluation 5,3/6
 - Spring 2014 (42 hours): Evaluation 5,5/6
 - Spring 2015 (42 hours): Evaluation 5,4/6
 - Spring 2016 (42 hours): Evaluation 5,4/6
 - Spring 2017 (42 hours): Evaluation 5,6/6
 - Spring 2018 (42 hours): Evaluation 3,4/4
 - Spring 2019 (42 hours): Evaluation 3,7/4
- Industry Analysis and Trends, renamed Industry Dynamics, Models and Trends:
 - Spring 2011 (42 hours): Evaluation: 5,3/6
 - Spring 2012 (42 hours): Evaluation: 5/6
 - Spring 2013 (42 hours): Evaluation: 5,3/6
 - Spring 2014 (42 hours): Evaluation 5,3/6

- Spring 2015 (42 hours): Evaluation 5,3/6
- Spring 2016 (42 hours): Evaluation 5,3/6
- Spring 2017 (42 hours): Evaluation 5,6/6
- Spring 2018 (42 hours): Evaluation 3,5/4
- Spring 2019 (42 hours): Evaluation 3,6/4
- Spring 2020 (42 hours): no evaluation, online teaching due to Covid-19

On-Campus PhD courses taught at EPFL

- De- and re-regulation of the network industries:
 - Fall 2011 (30 hours): no evaluation
 - Fall 2012 (30 hours): no evaluation
 - Fall 2013 (30 hours): no evaluation
 - Fall 2014 (30 hours): no evaluation
 - Fall 2015 (30 hours): no evaluation
- Qualitative Research Methods:
 - Spring 2011 (42 hours): no evaluation
 - Spring 2012 (42 hours): no evaluation
 - Spring 2013 (42 hours): no evaluation
 - Spring 2014 (42 hours): no evaluation
 - Spring 2015 (42 hours): no evaluation
 - Fall 2015 (36 hours): no evaluation
 - Fall 2016 (36 hours): no evaluation
 - Fall 2017 (36 hours): no evaluation
 - Fall 2018 (36 hours): no evaluation
 - Fall 2019 (personal advising only)
- Energy policy and regulation:
 - Spring 2015 (2 hours), as part of an EPFL Master course
 - Spring 2016 (2 hours), as part of an EPFL Master course in energy management
 - Spring 2017 (2 hours), energy regulation
- Anthropology of complexity:
 - Summer 2015 (4 hours), course organized by the Architecture department of EPFL

Massive Open Online Courses (MOOCs)

- *Managing Urban Infrastructures*, online as of February 2016 (Coursera and EdX); so far over 20'000 students
- *Smart cities*, online February 2017 (Coursera and EdX); so far over 20'000 students
- *GlobalArctic*, online July 2018 (Coursera); so far over 800 students
- *Innovatve Governance of Large Urban Systems*, online as of February 2020 (Coursera)

Teaching at other Universities

- Regulation of network industries (6 hours), May 2020, University of Neuchâtel
- Regulation of infrastructures in Switzerland (2 hours), February 2018, IHEAP/University of Lausanne

- Rail regulation (2 hours), March 2017, Antwerp Rail School
- Regulatory economics and regulated industries (21 hours), Fall 2017, Istanbul Technical University
- Regulatory economics and regulated industries (42 hours), Fall 2018, Istanbul Technical University
- Regulatory economics and regulated industries (42 hours), Fall 2019, Istanbul Technical University

Past Executive Education programs

- I have been directing a global executive masters program in electronic governance, whose first edition started in January 2005 and whose fifth edition ended in September 2011. The e-gov executive masters catered to CIOs (Chief Information Officers), CTOs (Chief Technology Officers), and CSOs (Chief Security Officers) in the public, the private and the third sectors and involves 10 residential weeks spread over 5 blocks of two weeks in Mexico, Rwanda, India, Thailand, Macau, Estonia and the EPFL Campus in the Middle East. This executive masters lasted for 5 editions.
- A similarly conceived global executive masters program catering to postal managers was operational between 2009 and 2011 (2 editions) and covered 10 residential weeks in Europe (EPFL, Brussels), Canada, Australia and the EPFL Campus in the Middle East.
- In 2017 I have started an annual Executive Programme on Governing Energy Transition (GET). Its aim is to accompany the energy transition of Switzerland and adjacent countries (mainly Germany). Participants take part in 4 2-day courses, leading to a Certificate of Advanced Studies degree from EPFL: As of 2020, this Program has moved to the University of St.Gallen.

Present Executive Education program:

- As of 2014 I have started a global Action-Research program on the Innovative Governance of Large Urban Systems (IGLUS). It is aimed at improving the performance of cities via their better governance. Participants take part in 5 out of 10 2-week action-learning modules (taking place in Mexico City, Istanbul, Kuala Lumpur & Singapore, Detroit & New York, Seoul, Dortmund & Lyon, Bogota & Barranquilla, Delhi, Nairobi, St.Petersburg & Moscow), follow two 4-week introductory on-line courses (MOOCs) and complete a 60-page Master thesis within 2 years, to obtain an Executive Master degree from EPFL. www.iglus.org

Organization of workshops & conferences (2016 - 2019)

As part of my activities at the Florence School of Regulation, I organize Forums and Executive workshops with the European Commission, regulated firms and regulators in the different transport modes. See: www.florence-school.eu

- Joint ERRA – IC4R workshop (Digitalization in the Energy Systems), Istanbul, Turkey, October 2019

- 18th Florence Rail Forum (How to Revitalise Rail Freight with Digitalisation?), Florence, Italy, November 2019
- 12th Florence Air Forum | Budapest Edition (ATM: How to make progress towards an economic regulator?), Budapest, Hungary, October 2019
- 6th Florence Intermodal Forum (Towards EU-wide Multimodal Ticketing and Payment Systems), Florence, Italy, September 2019
- 11th Florence Air Forum | Budapest Edition (Navigating Towards a More Efficient Airport Slots), Budapest, Hungary, September 2019
- Allocation Regime in Europe 8th Conference on the Regulation of Infrastructures: Digital platforms – the new network industries and how to regulate them, Florence, Italy, June, 2019
- Executive Seminar (Air Ticket Distribution and the Regulation 80/2009 on the Code of Conduct for Computerized Reservation Systems), Florence, Italy, May 2019
- 17th Florence Rail Forum (Green Financing of Rail), Florence, Italy, December 2018
- 10th Florence Air Forum (Single European Sky), Budapest, Hungary, November 2018
- 7th Swiss Infrastructure Day (Public Service in the age of Digitalization); Brugg, Switzerland
- 7th Conference on the Regulation of Infrastructures: the effects of digitalization on infrastructures, Florence, Italy, June, 2018
- 9th Florence Air Forum (Airport charges), Florence, Italy, May 2018
- 16th Florence Rail Forum (Improving European Rail Freight), Florence, Italy, May 2018
- 15th Florence Rail Forum (Financing of railway infrastructures), Florence, Italy, November 2017
- Round-table: “Auswirkungen der Digitalisierung auf Behördendienstleistungen und Service Public”, Digitalkonferenz, 20.11.2017, Biel, Switzerland
- 6th Swiss Infrastructure Day (Electricity Market Design), Lausanne, Switzerland
- Round-table on Resources extraction in the Arctic, as part of the Conference “Globalizing Polar Issues”, 11.-12.9.2017, Crans-Montana, Switzerland
- 6th Conference on the Regulation of Infrastructures: Regulatory Challenges for Smart Cities, Florence, Italy, June, 2017
- Executive seminar (Airport charges), Florence, Italy, June, 2017
- Executive seminar (Competition in Railways), Florence, Italy, June, 2017
- 14th Florence Rail Forum (Which role for Railway Undertakings in the Mobility of the Future?), Florence, Italy, May 2017
- 8th Florence Air Forum (The Single European Sky Performance Scheme), Florence, Italy, May 2017

Teaching in executive programs organized by others (incl. guest lectures): 2017-

- *The grid challenges* (2 hours), Executive Program for China Light Power, Lausanne, May 2019
- *Digitalization of mobility* (4 hours), MAS/CAS ETHZ in Mobilität der Zukunft, Zürich, September 2018
- *Digitalization and the future of the energy industry* (2 hours), Energy Regulators Regional Association (ERRA), Educational Workshop on Innovation and Regulation, Budapest, September 2018
- *Security of supply* (energy) (2 hours), Energy Regulators Regional Association (ERRA), Training for newly appointed Chairmen and Commissioners, Budapest, July 2018
- *EU energy policy and regulation* (4 hours), Energy Regulators Regional Association (ERRA), Summer School, Budapest, July 2018
- *The grid challenges* (2 hours), Executive Program for China Light Power, Lausanne, May 2018
- *The challenges of regulation in Switzerland* (2 hours), Graduate Institute of Public Administration (IDHEAP), Lausanne, January 2018
- *Smart Cities*, executive training program for faculty members of Tecnológico de Monterrey, Guadalajara, Mexico (3 days), November 2017
- *EU energy policy fundamentals and implications for regulation* (2 hours), 15th ERRA (Energy Regional Regulators' Association) Summer School, Budapest, July 2017.
- *Smart cities* (2 hours), Executive Certificate in Environmental Governance, HEID, Geneva, May 2017

School Service (EPFL)

2014-2018 **Director**, Institute of Technology and Public Policy (ITPP), EPFL

2003-2009 **Dean**, School of Continuing Education, EPFL

2010-present **Director**, Executive Education, EPFL Middle East Campus, Ras Al Khaimah, United Arab Emirates

2009-present **President**, Recruitment, Promotion and Tenure Committee, College of Management of Technology, EPFL

2008-2018 **Member** of the supervisory Board of EPFL's Transportation Center

Professional Service (current)

Organization of Annual Conferences

- Organizer (since 2012) of the Annual *Florence Conference on the Regulation of Infrastructure Systems*, always held in June in Florence, Italy. www.florence-school.eu
- Co-organizer (between 2008 and 2014) of the Annual Conference on *Competition and Regulation in Network Industries*, always held end of November in Brussels.
- Organizer (2010-2012) of the Annual Conference on *Trends and Innovation in the Postal Sector* with the International Post Corporation, always held in September in Lausanne. <http://tip-conference.epfl.ch>; as of 2013 this Conference is replaced by an annual *Postal Innovation Platform* <http://postal-innovation.epfl.ch>

Current (and significant past) Professional Leadership

- President of the 7th Istanbul Smart Grid and Smart City Conference and Fair, Istanbul, Turkey, 25.-26. April, 2019
- Board member of the Association “eGov”, Switzerland, 2017-.
- Vice-president of the board of “Avenir Mobilité” (Future Mobility), Switzerland, 2016-.
- Member of the Board of the Foundation “Swiss Innovation Park”, Berne, Switzerland, 2012-2015.
- Member of the “Assises Ferroviaires” (expert commission on railway reform in France), Paris, France, 2011-2012.
- Member of the Swiss Federal Commission on Railways Reform, Berne, Switzerland, 2010-2013.
- Member of the advisory Board, Swiss Railway Research Fund, 2009-.
- Member, Swiss Federal Commission on Electricity (ElCom, Electricity Regulator), Berne, 2007-.
- Member, Swiss Federal Commission on Transport Litigation (SKE, Railway Regulator), Berne, 2004-2011; Vice-president 2012-2015.

Editorial Boards

- Member of the editorial board of the Journal *Sosyoekonomi (Journal of Economics and Administrative Sciences)*, 2017-
- Editor-in-chief of the Journal *Competition and Regulation in Network Industries* (Sage), 2017-.
- Member of the editorial board of *Zeitschrift für Verkehrswissenschaft*, Germany, 2016-.
- Member of the editorial board of the Journal *Annals of Public and Cooperative Economics*, 2016-
- Guest editor, special issue of *Utilities Policy* on Regulating network industries in emerging countries (2016)
- Co-editor of the *ISA (International Studies Association) Compendium on Environment* (2016)
- Guest editor, special issue of *Utilities Policy* on Network Industries in Turkey (2015)
- Member of the editorial board of the *International Journal of Postal Communications* (since 2014)
- Guest editor, special issue of *Utilities Policy* on 20 years of liberalization of the network industries in Europe (2014)
- Co-editor-in chief Journal *Competition and Regulation in Network Industries* (2005-2015); member of the editorial board 2016.
- Chief editor of a trimestrial *Network Industries Newsletter* (since 1998), which now reaches approximately 6000 key professionals across the world. Since 2006, this newsletter is jointly published with TU Delft. <http://newsletter.epfl.ch/mir>.
- Member, Editorial Board, *Journal Transformational Learning*, Sage Publishers, 2002-.
- Member, Editorial Board, *Global Environmental Politics*, M.I.T. Press, 1999-.

Review of Journal Articles, Research Projects, and Conference Papers

In addition to reviewing all the articles for *Utilities Policy* special issues and for the Journal on *Competition and Regulation in Network Industries*, I also regularly reviewed

articles for Energy Policy, EJEG (Electronic Journal of Electronic Governance), GEP (Global Environmental Politics), IRAS (International Review of Administrative Sciences), Journal of Infrastructure Systems, Regulation and Governance, Transport Research, as well as research projects for the Swiss National Science Foundation, and others more. I also review all the papers submitted to the different conferences I am organizing annually.

Presentations at Academic Conferences (2017)

- Research Workshop, Fragmentation in Air Traffic and its Impact on ATM Performance, Budapest, Hungary (May 2019)
- International Conference on Mobility Challenges, Ecole CentraleSupélec Paris Saclay, France (December 2018)
- International Scientific Conference on Mobility and Transport, Munich, Germany (June 2018)

Keynotes (2016-2019)

- Digitalization and mobility. Swisstraffic, Berne, September 2019
- Symposium 20 Jahre Bahnreform. University of Lucerne, May 2019
- Turkey's renewable investment outlook, Istanbul, December 2018
- Keolis Strategy meeting, Paris, June 2018
- Monterrey International Water Forum, Monterrey, Mexico, May 2018
- Swiss Mobility Days, Martigny, Switzerland, April 2018
- 6th International Smart Cities Congress, Istanbul, April 2018
- SmartSuisse, Basel, April 2018
- 2018, Year of Multimodality, DG Move, European Commission, Sofia, March 2018
- Will Gigabit access become part of the Universal Service?, Broadband Switzerland, Berne, October 2017
- Infrastructures between government and market, ETH Zürich, Switzerland, October 2017
- Libéralisation et transition énergétique Suisse dans le contexte Européen. /ème Journée de l'Énergie, Martigny, Suisse, October 2017
- Postal regulation – past and future, Postal Innovation Platform (PIP), POstexpo, Geneva, September 2017
- Smart and resilient cities, SwissRe, Zürich, September 2017
- The importance of the Single European Sky for the European aviation sector, Observatory on Europe, Brussels, June 2017
- Zukunftsstandort Digitale Schweiz, Bern, June, 2017

- Railway operations of the future, 10th Transportation and Economic Forum, Tokyo, November 2016
- Providing and Maintaing Access to Reliable Energy, 15th ERRA Conference, Bratislava, October 2016
- Readiness for smart cities, Masterclass on smart nation, cities and communities, Kuala Lumpur, Malaysia, August 2016
- Challenges for the regulation of Urban Mobility, Conference of the Foundation Getulio Vargas, Rio de Janeiro, May 2016
- Service Public, enjeu de la cohésion nationale, Forum Helveticum, Berne, April 2016.
- Economic and societal implications of digitalization, e-Forum, Berne, April 2016.

Moderating events (2018-)

- 7th Istanbul Smart Grid and Smart City Conference and Fair, Istanbul, Turkey, 25.-26. April, 2019
- 11th Annual Airport Economics and Finance Conference, London, UK, March 13th 2019
- 17th ERRA Energy investment and regulation conference, Antalya, Turkey, October 10th, 2018
- EPFL-SBB Data Science and Mobility Conference (moderating the entire day, incl. Roundtables), January 31st, 2018

Publications: books (35)

1. *A modern guide to the digitalization of infrastructure* (co-edited with Juan Montero). Book contract with Edward Elgar.
2. *Network Industries in Turkey* (co-edited with Muzaffer Eroglu). Book contract with Springer.
3. *GlobalArctic – an introduction to the multifaceted dynamics of the Arctic* (edited). Book contract with Springer.
4. *Beziehungen unter Strom: Die Schweiz, die Elektrizität und die Europäische Union* (with Paul van Baal). Zürich: Chronos Verlag. Forthcoming 2020
5. *Rail Regulation Handbook* (co-edited with Juan Montero). Cheltenham: Edward Elgar. Forthcoming 2020

6. *Network Industries. A research overview*. London: Routledge, 2020.
7. *SBB – was nun? Szenarien für die Organisation der Mobilität in der Schweiz*. Zürich: NZZ Libro, 2019; traduction française: *Que faire des CFF? Scénarios pour l'organisation de la mobilité en Suisse*.
8. *The Governance of Smart Transportation Systems: new organizational structures for mobility* (co-edited with Maxime Auduoin). Berlin: Springer, 2018.
9. *The Global Arctic Handbook* (co-edited with Lassi Heininen). Berlin: Springer, 2018.
10. *Air transport liberalization: a critical assessment* (co-edited with Ken Button). Cheltenham: Edward Elgar, 2017.
11. *Towards cognitive cities. Advances in cognitive computing and its application to the governance of large urban systems* (co-edited with Edy Portmann): Berlin: Springer, 2016.
12. *The Routledge Companion on Network Industries* (co-edited with Christian Jaag): London: Routledge, 2015.
13. *Rail economics, regulation and policy in Europe* (co-edited with Pierre Messulam): Cheltenham: Edward Elgar, 2015.
14. *Electronic challenges for postal services* (co-edited with Bernhard Bukovc and Burhan Muqbil): Amsterdam: IOS Press, 2014.
15. *Transport Regulation in Europe* (co-edited with Torben Holvad): Cheltenham: Edward Elgar, 2013.
16. *E-governance: a global journey* (co-edited with Fouzia Sultana). Amsterdam: IOS Press, 2012.
17. *International Handbook of Network Industries. The Liberalization of Infrastructure* (co-edited with Rolf Künneke). Cheltenham: Edward Elgar, 2011.
18. *The Crisis of Global Environmental Governance: Towards a new Political Economy of Sustainability* (co-edited with Jacob Park & Ken Conca). London: Routledge, 2008.
19. *Water and liberalization: European Water Scenarios* (co-edited with Jeremy Allouche and Patricia Manso). London: IWA Publishing, 2006.

20. *The Multi-Governance of Water. Four case studies* (co-edited with Ludivine Tamiotti and Jeremy Allouche). New York: SUNY Press, 2005.
21. *Limits to Privatization: Too much of a good thing* (co-edited with Ernst U. von Weizsäcker and Oran Young). Report to the Club of Rome. London: Earthscan, 2005. Translations into: German, Spanish, Chinese, and many other languages.
22. *Water Privatisation. Transnational Corporations and the Re-regulation of the Water Industry* (co-authored with Jeremy Allouche). London: SPON Press (Francis & Taylor Group), 2002.
23. *Learning Our Way Out: Adult Education at a Crossroads* (co-authored with José Asún). London: Zed Books, 2001. Portuguese edition: A Educação de Adultos numa Encruzilhada. Aprender a nossa saída. Porto: Porto Editora, 2003.
24. *Adult Education and Social Responsibility. Reconciling the Irreconcilable?* (co-edited with Danny Wildemeersch & Theo Jansen). Frankfurt: Peter Lang, 1997.
25. *Du Monopole à la Concurrence: Analyse Critique de l'Évolution de 6 Entreprises Suisses* [From Monopoly to Competition: a Critical Analysis of the Transformation of 6 Swiss Public Enterprises] (co-edited with Serge Pravato and Jean-Noël Rey). Lausanne: L.E.P., 1997. No English translation.
26. *Pour une Nouvelle Approche du Management Public. Réflexions Autour de Michel Crozier* [Toward a New Approach to Public Management. Reflections about Michel Crozier] (co-edited with Bérandère Ruchat). Paris: Seli Arslan, 1997. No English translation.
27. *Les Défis de la Poste* [The challenges to the Swiss Postal Service] (co-authored with Jean-Noël Rey). Lausanne: L.E.P., 1994; German edition: Die Zukunft der Post - Die Post der Zukunft. Zürich: Orell & Füssli, 1994. No English translation.
28. *The Earth Brokers. Power, Politics, and Development* (co-authored with Pratap Chatterjee). London: Routledge, 1994. Japanese and Spanish editions.
29. *Environmental NGOs in World Politics: Linking the Global and the Local* (co-authored with Thomas Princen). London: Routledge, 1994.
30. *The Green Movement Worldwide* (edited). Greenwich CT: JAI-Press, 1992, Supplement 2.
31. *Les Partis Politiques à Coeur Ouvert. Enquête sur l'Élite Partisane Helvétique* [Study of the Swiss Party Elite] (co-authored with U. Ayberk, C., Garcia & P.

Sciarini). Lausanne: L.E.P., 1991; German edition: *Die Kader der Schweizer Parteien*. Zürich: Seismo Verlag, 1994. No English translation.

32. *L'Homo Politicus à la Dérive? Enquête sur le Rapport des Suisses à la Politique* [The Decline of Political Man?] (co-authored with Pascal Sciarini). Lausanne: L.E.P., 1990. No English translation.
33. *L'Éducation des Adultes en Suisse* [Adult Education in Switzerland] (co-authored with Pierre Dominice). Berne: Pro Helvetia, 1990. No English translation.
34. *Paix, Peace, Pace ... Les Dix Bonnes Raisons d'Adhérer au Nouveau Mouvement pour la Paix* [Peace: the Ten Good Reasons for Joining the New Peace Movement]. Lausanne: L.E.P., 1989. No English translation.
35. *Apprendre une Issue. L'Éducation des Adultes à l'Âge de la Transformation de Perspective* [Learning at Stake: Adult Education at the Age of Perspective Transformation]. Lausanne: L.E.P., 1989. No English translation.

Publications: Book Chapters (88)

1. Regulating the interdependencies of the mobility and electricity sectors (with P. van Baal), in: Probst, O. et al. (eds) (forthcoming)
2. Institutions, Organizations, and Technological Innovations: The Dynamic Development of Smart Ticketing Schemes in London's Urban Transportation System (with Maxime Auduoin) (2018). In: Finger, M. and M. Auduoin (eds). *The Governance of Smart Transportation Systems: new organizational structures for mobility*. Berlin: Springer, 2018, chapter 10, pp. 189-206.
3. State-owned enterprises in the Arctic (with Andrey Krivorotov) (2018). In: Finger, M. and L. Heininen (eds.). *The Global Arctic Handbook*. Berlin: Springer, pp. 45-62.
4. Nicht so Good Governance in den Schweizer Netzwerkindustrien, in Kaufmann, R. & S. Rechsteiner (eds.) (2018). *Governance der Energiewende*. Zürich: Stämpfli Verlag, pp. 95-102.
5. Zielkonflikte ei den Stadtwerken (with Susan Mühlemeier), in Kaufmann, R. & S. Rechsteiner (eds.) (2018). *Governance der Energiewende*. Zürich: Stämpfli Verlag, pp. 133-142.

6. What can the South learn from the North regarding the implementation of IoT Solutions in Cities? The case of Seoul-born smart transportation card implementation in Bogota. In: Hostettler, S., Najih Besson, S. and J.-C. Bolay (eds.) (2018). *Technologies for Development*. Berlin: Springer, pp. 165-174.
7. Infrastructures as common pool resources (with Rolf Künneke) (2018). In: Cole, Daniel H., and Michael D. McGinnis (eds). Forthcoming. *Elinor Ostrom and the Bloomington School of Political Economy: Volume 4, Policy Applications and Extensions*. Lanham, MD: Lexington Books, pp. 233-245.
8. System Dynamics Simulation to Explore Impact of Low European Electricity Prices on Swiss Generation Capacity Investment (with Reinier Verhoog and Paul van Baal). In: Dorsman, A., Ediger., V. and M.B. Kahan (eds.) (2018). *Energy Economy, Financ and Geostrategy*. Berlin: Springer, chapter 3, pp.31-62.
9. The need to evolve Air Traffic Management: Europe as a laboratory? (with M. Baumgartner and E. Zeki) (2017). In: Finger, M. & K. Button (eds.). *Air transport liberalization: a critical assessment*. Cheltenham: Edward Elgar, 2017, pp.339-358.
10. Governing Energy Transitions: Transition Goals in the Swiss Energy Sector (2016) (with Reinier Verhoog). In Arslan-Ayaydin, O., Dorsman, A. & Karan, M.B. (eds.). *Energy, Sustainability and Finance*. Berlin: Springer, chapter 7.
11. European rail policy and regulation (2015). In: Finger, M. and C. Jaag (eds.). *The Routledge Companion on Network Industries*. London: Routledge, pp. 211-224.
12. The Arctic, laboratory of the Anthropocene (2015). In: Heininen, L. (ed.). *Future security of the global Arctic*. New York: Palgrave MacMillan, pp. 121-137.
13. Rail economics and regulation (with Pierre Messulam) (2015). In: Finger, M. and P. Messulam (eds.). *Rail economics, policy and regulation*. Cheltenham: Edward Elgar, pp. 1-21.
14. Rail access charges (with Pierre Mesulam) (2015).). In: Finger, M. and P. Messulam (eds.). *Rail economics, policy and regulation*. Cheltenham: Edward Elgar, pp. 323-340.
15. A critical analysis of the potential of the information and communication technologies for democracy and governance. In: Manoharan, A. (ed.). *E-Government and Websites: A Public Solutions Handbook*. Armonk, NY: M.E. Sharpe, 2014, pp. 81-96.

16. What does the Arctic teach us. An epistemological essay on business-government relations. In: Exner-Piroth, H. (ed.). *The 2013 Arctic Yearbook*. Rovaniemi: University of the Arctic. Web publication, 2013.
17. Transnational corporations and the environment. In: Mikler, J. (ed.). *The handbook of global companies*. New York: John Wiley & Sons, 2013, pp. 285-299.
18. 25 years of Arctic environmental agency: changing issues and power relations (with Andrea Finger-Stich). In: Heininen, L. (ed.) (2012). *The 2012 Arctic Yearbook*. Rovaniemi: University of the Arctic, pp. 194-222.
19. Non-state actors in global environmental governance (with David Svarin). In: Dauvergne, P. (ed.). *Handbook on global environmental politics*. Cheltenham: Edward Elgar, 2012, pp.285-297.
20. Towards an European model of regulatory governance? In: Levi-Faur, D. (ed.). *Handbook on the Politics of Regulation*. Cheltenham: Edward Elgar, 2011, pp. 525-535.
21. From "Service Public" to Universal Service (with Dominique Finon). In: Finger, M. & R. Künneke (eds.). *International Handbook on the Liberalization of Infrastructures*. Cheltenham: Edward Elgar, 2011, pp.54-69.
22. Liberalization of the network industries in the European Union: evolving policy issues (with Marc Laperrouza). In: Finger, M. & R. Künneke (eds.). *International Handbook on the Liberalization of Infrastructures*. Cheltenham: Edward Elgar, 2011, pp.345-365.
23. Exploring the future of Wi-Fi (with Pierre Rossel). In: Lemstra W., Hayes, V. & J. Groenewegen (eds.) (2010). *The innovation journey of Wi-Fi. The road to global success*. Cambridge: Cambridge University Press, pp.331-366.
24. Saudi Post innovative address system: integrating electronic and physical platforms (with Farah Abdallah). In: UPU/ITU (eds.) (2010). *ICTs, new services and transformation of the Post*. Berne: Universal Postal Union, pp. 101-116.
25. Transnational Corporations and the Global Environment (with David Svarin). In: Denemark, R. (ed.) (2010). *The International Studies Encyclopedia*. Vol.XI, pp.7149-7169, London: Blackwell.
26. The history of a European information society: shifts from governments to governance (2009) (with Jamal Shahin). In: Tuptimhin, J. & R. Pipe (eds.). *Global e-Governance. Advancing Governance Through Innovation and Leadership*. Amsterdam: IOS Press, pp.62-83.

27. Regulatory practices and the role of technology in network industries: the case of Europe (2009) (with Frédéric Varone). In: Künneke, R. et al. (eds.). *The governance of network industries*. London: Edward Elgar, pp.90-105.
28. Sustainable Global Governance? An organizational and institutional perspective (2008). In: Park, J. Finger, M. & K. Conca (eds.). *The Crisis of Global Environmental Governance: Towards a new Political Economy of Sustainability*. London: Routledge.
29. CIO in Europe (2007). In: Obi, T. (ed.). *E-Governance: a Global Perspective on a Paradigm*. Amsterdam: IOS Press, pp.152-155.
30. Water Privatization: Reasons, characteristics, Difficulties, and Lessons (with Jeremy Allouche), in: Hahn, H., Hoffmann, E. & H. Odegaard (eds.) (2007). *Chemical Water and Wastewater Treatment*. London : IWA Publishing, pp. 11-24.
31. FAO – World Food Organization. Entry in Robertson, R. & A.R. Scholte (eds.) (2006). *Encyclopedia of Globalization*. New York: Routledge.
32. Du gouvernement électronique à la gouvernance électronique: le rôle des technologies de l'information et de la communication dans la réforme du secteur public (2006) [From electronic government to electronic governance]. In: Chappelet, J.-L. (ed.). *Contributions à l'action publique*. Berne: Haupt; Lausanne: Presses Universitaires Romandes, pp. 89-102.
33. De- und Re-Regulierung der Netzwerkindustrien: Wohin geht die Reise? [De- and reregulating the network industries: how does the future look like?] In: Schaffhauser, R., Locher, H. & T. Poledna (eds.) (2006). *Das Gesundheitswesen – Motor von Wohlbefinden und Wohlstand*. University of St. Gallen, Schriftenreihe des Instituts für Rechtswissenschaft und Rechtstpraxis, Band 37, pp.75-78.
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Languages

Trilingual	German, French, English
Italian	Fluent in speech
Spanish	Fluent in speech
Finnish	Fluent in speech
Turkish	Capable to get by on everyday conversations, actively learning
Arabic	Actively learning since 5 years
Russian	Beginner, actively learning