



## Handbook on Railway Regulation Concepts and Practice

Edited by Matthias Finger, Ecole Polytechnique Fédérale Lausanne, Switzerland, European University Institute, Italy and Istanbul Technical University, Turkey and Juan Montero, National University of Distance Education, Spain and European University Institute, Italy

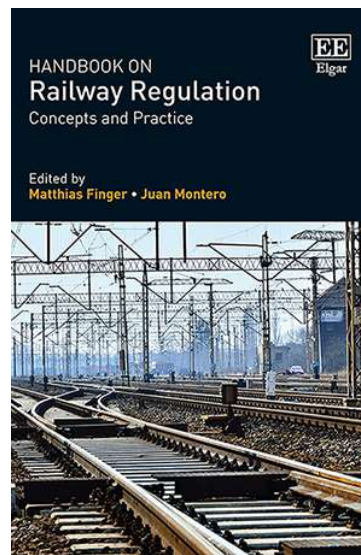
Taking a global approach, this insightful Handbook brings together leading researchers to provide a comprehensive overview of the state-of-the-art in railway regulation with a particular focus on countries that rely heavily on railways for transportation links. The Handbook also considers the most pressing issues for those working in and with railway systems, and outlines future trends in the development of rail globally.

'This collection of original papers takes a genuinely international look at the economic regulation of railways. It covers all forms of rail operations (freight, passenger, and local) and a diversity of regulatory regimes, as well as having a substantial geographical coverage. The editors have managed to entice a cornucopia of experts from around the world to contribute. The volume is timely. Railways over the last 50 years have seen economic regulatory adjustments that have affected their ownership, operations, methods of finance, and investment priorities. While one can easily find a common thread in many of these changes, the overriding emphasis has been on more reliance on market forces and lighter interventions by governments, there are considerable national variations in the instruments deployed and the outcomes that have emerged. This volume allows experts to keep abreast of events and thinking in the rail regulatory world and offers newcomers an almost encyclopedic account of the practical and intellectual challenges involved.'

– Kenneth Button, George Mason University, US

'A great resource for politicians, managers, competition lawyers and economists, seeking an overview of the implemented regulatory frameworks within the railway sector in Europe and beyond.'

– Frank Miram, Deutsche Bahn AG



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# networkindustries

quarterly

Network Industries Quarterly, Vol. 22, issue 4, 2020 (December)

*“Digitalising infrastructures”*

#### **Presentation of the next issue**

In this issue we would like to focus on the digitalisation of infrastructures. Digitalisation is transforming all kinds of industries. Content industries (music, newspapers, audiovisual and so on) were the first to be digitalised and then disrupted by digital platforms. Network industries are also in the process of being digitalised.

Digitalisation can reduce the cost of construction and operation of infrastructures. As sensors are installed in infrastructures producing massive data, infrastructure managers can also reduce the maintenance cost. Furthermore, big data can help infrastructure managers to better control the traffic flow. Machine learning algorithms can be used to predict peaks in the use of the infrastructure, and then use different tools to manage demand (dynamic pricing) and even supply (software-defined networks).

In this special issue, different infrastructure industries will be analysed. The common challenges will be identified, as well as the specificities in each infrastructure.

## OPEN CALL FOR PAPERS

Implementation of the liberalization process has brought various challenges to incumbent firms operating in sectors such as air transport, telecommunications, energy, postal services, water and railways, as well as to new entrants, to regulators and to the public authorities.

Therefore, the Network Industries Quarterly is aimed at covering research findings regarding these challenges, to monitor the emerging trends, as well as to analyze the strategic implications of these changes in terms of regulation, risks management, governance and innovation in all, but also across, the different regulated sectors.

The Network Industries Quarterly, published by the Chair MIR (Management of Network Industry, EPFL) in collaboration with the Transport Area of the Florence School of Regulation (European University Institute), is an open access journal funded in 1998 and, since then, directed by Prof Matthias Finger.

## ARTICLE PREPARATION

The Network Industries Quarterly is a multidisciplinary international publication. Each issue is coordinated by a guest editor, who chooses four to six different articles all related to the topic chosen. Articles must be high-quality, written in clear, plain language. They should be original papers that will contribute to furthering the knowledge base of network industries policy matters. Articles can refer to theories and, when appropriate, deduce practical applications. Additionally, they can make policy recommendations and deduce management implications.

Detailed guidelines on how to submit the articles and coordinate the issue will be provided to the selected guest editor.

## ADDITIONAL INFORMATION

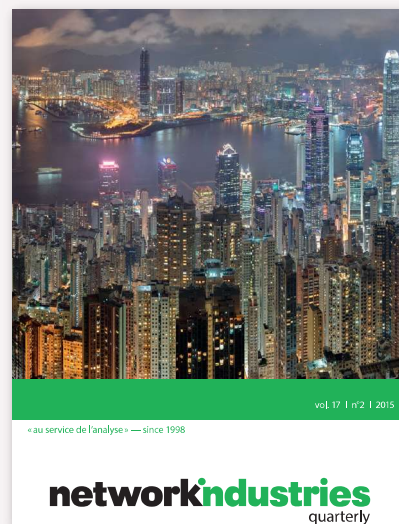
### MORE INFORMATION

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- [mir.epfl.ch](http://mir.epfl.ch)
- [florence-school.eu](http://florence-school.eu)
- [ic4r.net](http://ic4r.net)

### QUESTIONS / COMMENTS?

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Published four times a year, the **Network Industries Quarterly** contains short analytical articles about postal, telecommunications, energy, water, transportation and network industries in general. It provides original analysis, information and opinions on current issues. Articles address a broad readership made of university researchers, policy makers, infrastructure operators and businessmen. Opinions are the sole responsibility of the author(s). Contact [fsr.transport@eui.eu](mailto:fsr.transport@eui.eu) to subscribe. Subscription is free.



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