

Institutions And Regulation For The Fourth Industrial Revolution



*Hoover IP², Stanford University
Liège Competition and Innovation Center, Liège University
Center for Intellectual Property, University of Gothenburg*

**3 MAY 2019
SOFITEL BRUSSELS LE LOUISE
SALON METAMORPHOSE**

What institutions, policies, rules, and regulations will maximize economic surplus generated in the fourth Industrial Revolution? How can institutions, policies, rules, and regulations be written and developed to provide incentives and to encourage trade to the benefit of multiple parties?

AGENDA

8.00 Registration

8.30 **Welcome and Introduction**

Nicolas Petit, University of Liège and Hoover Institution

Bowman Heiden, CIP and Hoover Institution

8.45 **Keynote address**

Stephen Haber, Stanford University and Hoover Institution

9.15 **Panel 1: IoT: Royalty Setting and Patent Policy**

How should royalties be apportioned in FRAND-enabled standards? What role do regulatory agencies and the courts play in establishing royalty levels if markets or inter-firm negotiations fail? Will these determinations become more challenging with the massive growth of IoT and interconnectivity?

Moderator: **Bowman Heiden**, CIP and Hoover Institution

Presenters: **Gunther Friedl** and **Christoph Ann**, Technische Universität Munich

“A Cost-Based Approach for Calculating Royalties for the Use of Standard-Essential Patents (SEPs)”

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jwip.12104>

Alexander Galetovic, Universidad de los Andes and Hoover Institution, and **Stephen Haber**, Stanford University and Hoover Institution

“What Theory of Value and Distribution Should Courts

Apply?” <https://hooverip2.org/working-paper/wp19001>

Discussant: **Jonathan Barnett**, USC Gould School of Law

10.45 Break

11.00 **Panel 2: Autonomous Vehicles: Changing Markets, Business Models and Institutions?**

How will the advent of autonomous vehicle technology alter the structure of markets, open up new business opportunities, and challenge current institutional foundations? What types of rules and regulations are necessary and appropriate for AV technologies? How will these developments affect the role of patents, standards development, knowledge transfer (e.g., open source programming, patent pools, public domain), and government?

Moderator: **Keith Bergelt**, Open Invention Network

Panelists: **Monica Magnusson**, Ericsson

Yann Ménière, European Patent Office

Ruud Peters, Philips

12.15 Lunch

13.30 **Panel 3: Digital Platforms: Antitrust and Regulation**

What is the role of antitrust agencies in regulating platform markets in the digital economy? Will the rise of the IoT pose new antitrust concerns? How should issues such as large multinational firms be approached? What is the threshold for "large", "big," or "dominant"?

Moderator: **Pieter Van Cleynenbreugel**, University of Liège

Presenters: **Nicolas Petit**, University of Liège and Hoover Institution

"Are FAANG Monopolies? A Theory of Disequilibrium Competition with Uncertainty"

Alexandre de Streel, University of Namur, and Marc Bourreau, Telcom ParisTech

"Digital Conglomerates and EU Competition Policy"

<http://www.crid.be/pdf/public/8377.pdf>

Discussant: **Luigi Zingales**, University of Chicago

15.00 Break

15.15 **Panel 4: Globalization, Industrial Champions and 21st Century Protectionism?**

Is strict European competition policy limiting European firms from the scale necessary to compete on global markets with US and Chinese firms? Should the law require the definition of global markets in merger reviews to account for foreign competition? Should "industrial policy" standards be introduced into merger law? Should foreign State Owned Enterprises be limited in their ability to enter Western markets by way of strategic mergers with domestic firms?

Moderator: **Richard Sousa**, Hoover Institution

Panelists: **Pascal Belmin**, Airbus

Justus Haucap, Duesseldorf Institute for Competition
Economics

Can Huang, Zhejiang University

Paul Seabright, Toulouse School of Economics

Jim Venit, Dentons

16.30 **Closing remarks**

17.00 **Reception**

3/26/2019 7:41 PM

INSTITUTIONS AND REGULATION FOR THE FOURTH INDUSTRIAL REVOLUTION

PARTICIPANTS

Christoph Ann—Chair, Corporate and Intellectual Property Law, TUM School of Management, Technical University of Munich; Managing Board Member, Munich Intellectual Property Law Center (MIPLC); Adjunct Professor, George Washington University Law School

Jonathan Barnett—Torry H. Webb Professor of Law and Director, Media, Entertainment and Technology Law Program, University of Southern California Gould School of Law

Pascal Belmin—Head, EU Regulatory Affairs, Airbus

Keith Bergelt—CEO, Open Invention Network

Alexandre de Streel—Professor of European Law and Director, Research Centre for Information, Law and Society, University of Namur

Gunther Friedl—Dean and Chair, Management Accounting, TUM School of Management, Technical University of Munich

Alexander Galetovic—Professor of Economics, Universidad de los Andes (Santiago, Chile); Visiting Fellow, Hoover Institution, Stanford University

Stephen Haber—Peter and Helen Bing Senior Fellow, Hoover Institution, Stanford University; A.A. and Jeanne Welch Milligan Professor in the School of Humanities and Sciences, Professor of Political Science, of History, and (by courtesy) of Economics, Stanford University; Director, Hoover Institution Working Group on Intellectual Property, Innovation, and Prosperity (IP²)

Justus Haucap—Director, Duesseldorf Institute for Competition Economics (DICE), Heinrich-Heine University of Duesseldorf, Germany

Bowman Heiden—Co-director, Center for Intellectual Property (CIP), University of Gothenburg (Sweden), Chalmers University of Technology (Sweden), and Norwegian

University for Science and Technology; Director, Impact Accelerator, Sahlgrenska School of Innovation and Entrepreneurship, University of Gothenburg; Visiting Fellow, Hoover Institution, Stanford University

Can Huang—Professor and Head, Department of Innovation, Entrepreneurship and Strategy, and Co-director, Institute for Intellectual Property Management, School of Management, Zhejiang University (Hangzhou, China)

Monica Magnusson—Vice President, IPR Policy and Communication, IPR & Licensing, Ericsson

Yann Ménière—Chief Economist, European Patent Office

Ruud Peters—CEO, Peters IP Consultancy B.V.

Nicolas Petit—Professor of Law, University of Liège (Belgium); Research Professor, University of South Australia; Visiting Fellow, Hoover Institution, Stanford University

Paul Seabright—Professor, Toulouse School of Economics; Director, Institute for Advanced Study in Toulouse

Richard Sousa—Research Fellow, Hoover Institution; Member, Steering Committee Hoover IP²

Pieter Van Cleynenbreugel—Professor of Law, University of Liège

James S. Venit—Partner, Dentons (Brussels)

Luigi Zingales—Robert C. McCormack Distinguished Service Professor of Entrepreneurship and Finance; Director, George J. Stigler Center; and Charles M. Harper Faculty Fellow, Booth School of Business, University of Chicago

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<http://www.hooverip2.org>

<http://cipnet.se>

<https://www.lcii.eu>

FURTHER INQUIRIES

Date and venue

Friday 3rd May 2019, from 8:30 a.m. to 5:00 p.m.

Sofitel Brussels Le Louise

Salon Métamorphose

40 Avenue de la Toison d'Or, 1050 BRUSSELS – BELGIUM

<https://sofitel.accorhotels.com>

Access map: [map](#)

Participation Fee

Standard fee: 200 €, excluding VAT (21 %);

Reduced fee (for academics and public officials): 50 €, excluding VAT (21 %).

Working Language

English

Registration

Please register by completing the [online form](#) by 25 April 2019.

For more information on registration and cancellation

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