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Biographies



■ ■ Sébastien Soriano, Arcep & BEREC Chairman



Sébastien Soriano is Chairman of Arcep, the French national regulatory authority for telecoms and posts (Autorité de régulation des communications électroniques et des postes).

He is also Chairman of BEREC 2017. BEREC is the Body of European Regulators for Electronic Communications, bringing together 39 regulatory authorities from EU Member

States, candidate countries as well as EFTA members. He was Vice-Chairman of BEREC in 2016.

Born in 1975, Sébastien Soriano holds Master's degrees in Science from the Ecole Polytechnique in Paris, and in Telecom Engineering from Telecom ParisTech, as well as a Bachelor of Public Administration from Sorbonne University in Paris.

He has spent most of his career in digital policies, competition and telecoms regulation areas. He started his career at the French Competition Authority, between 2001 and 2004, as a case handler and then as Deputy General Rapporteur, between 2009 and 2012. Between 2004 and 2009, he held various positions at Arcep, including Head of the Mobile market Unit and Director of Broadband market. From 2012 through 2014, he was Chief of Staff of Mrs. Fleur Pellerin, French Minister for SMEs, Innovation and Digital economy. Prior to his appointment as Chairman of Arcep, he was Special Advisor to the French Minister for Culture and Communication.

Sébastien Soriano published several papers on the challenges of regulators and law makers in the digital era. He also teaches regulation and digital economy in the Master's programme in Public Policy at SciencesPo School of Public Affairs in Paris.

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■ ■ Jean Tirole, Economist, Nobel Prize in economics



Jean Tirole, engineer and member of the Corps of Bridges, Waters and Forests, is President of the Toulouse School of Economics (TSE), Scientific Director of the Institut d'Economie Industrielle (IDEI) in Toulouse, founding member and Chair of the Executive Committee of the Institute for Advanced Study in Toulouse (IAST), visiting professor at MIT and Director of Studies emeritus at the Ecole des Hautes Etudes en Sciences Sociales.

He is also a member of the Académie des Sciences Morales et Politiques (and holder of the Maurice Allais Chair) and of the Economic Analysis Council (CAE).

A highway engineer by training, he is a graduate of the Ecole Polytechnique (Class of 1973), with a diploma in Highway Engineering (1978), a PhD in Decision Mathematics (1978, Paris IX) and a PhD in Economics (1981, MIT). He has taught at the Ecole Nationale des Ponts et Chaussées (1981-1984) and at MIT (1984-1991), and has been a visiting professor at numerous universities.

Jean Tirole has published over two hundred articles in international reviews, as well as 11 books, including *Game Theory* (with Drew Fudenberg), *A Theory of Incentives in Regulation and Procurement* (with Jean-Jacques Laffont), *The Prudential Regulation of Banks* (with Mathias Dewatripont), *Competition in Telecommunications* (with Jean-Jacques Laffont), *The Theory of Industrial Organization*, *The Theory of Corporate Finance*, and *Inside and Outside Liquidity* (with Bengt Holmström). He is currently working on the links between economics and psychology, on the financial crisis and banking regulation, and on a range of issues in the area of industrial economics.

Former Sloan fellow and Guggenheim fellow, he has an Honorary Doctorate from the Université Libre de Bruxelles, the London Business School, the Université de Montréal (HEC), the University of Mannheim, the University of Athens, the University of Rome 2 Tor Vergata, Hitotsubashi (Tokyo) and Lausanne Universities, the European University Institute in Florence and the University Luis Guido Carli (Rome).

In 1993, was elected a Foreign Honorary Member of the American Academy of Arts and Sciences, and of the American Economic Association. He was president of the Econometric Society in 1998 and of the European Economic Association in 2001. In 1993 he received the Yrjö Jahnsson prize from the European Economic Association (awarded every two years, starting in 1993, to the finest European economist under 45) and the Distinguished-fellow prize from the University of Munich in 1996. In 2007,

he received the CNRS gold medal, and is the only economist along with Maurice Allais to have received this honour. In 2008, he became the first recipient of the BBVA Frontiers of Knowledge Award in the Economics, Management and Finance category. In 2010 he won the Claude Lévi-Strauss prize, as well as the prize in finance awarded jointly by the Berkeley Mathematical Sciences Research Institute (MSRI) and Chicago Mercantile Exchange, and the Ross Prize in 2013. In 2014, he received the Nemmers Prize and the Bank of Sweden Prize in Economics, in memory of Alfred Nobel.



Matthew Kirk, Group External Affairs Director, Vodafone



Matthew Kirk was appointed Group External Affairs Director of Vodafone, and a member of the Executive Committee, with effect from 1 March 2009

Matthew joined Vodafone in 2006. Before that, he was a member of the British Diplomatic Service for more than twenty years, with diplomatic postings in New York (UN), Belgrade, Gibraltar and Paris, and a number of positions in the Foreign and Commonwealth Office (FCO) and Cabinet Office in London. Matthew led the FCO's programme in investment in IT and telecommunications for three years, and prior to joining Vodafone served as Her Majesty's Ambassador to Finland.

Matthew graduated (MA) from St John's College, Oxford, and holds the Diplôme International d'Administration Publique from the École Nationale d'Administration, Paris. Aged 56, he is married, with two children.



Alejandra de Iturriaga Gandini, Electronic and Audiovisual Communications Director, CNMC (Spain), IRG and BEREC member



Alejandra de Iturriaga Gandini is currently Director of Telecommunications and Audiovisual Sector at the Spanish National Authority for Markets and Competition (CNMC). During 2017, she also holds the position Vice-president at the Body of European Regulators for Electronic Communications (BEREC).

Ms de Iturriaga is responsible for managing, supervising and coordinating the CNMC activity on electronic and audiovisual communications.

Her functions in the electronic communications sector involve the analysis of electronic communications markets, reference offers, conflict resolution between operators and sanctioning procedures.

In the audiovisual sector, she is responsible for the enforcement of the obligations imposed on the different actors related to advertising, protection of minors, and financing of European works, amongst others.

During 2017, Ms de Iturriaga will be responsible for one of the Vice-presidencies of BEREC.

Ms de Iturriaga has a long experience in the sector. In 1998 she joined the National Regulatory Authority in Spain that was, at that time, the Commission of Telecommunications Markets (CMT), where she held the position of Deputy Director and Director of the Legal Department. In 2005, she was nominated as Director of the Regulation Department, being the responsible for the control and supervision of the compliance by market participants of the regulatory framework, conflict resolution between operators, elaboration of general regulations and sanctioning procedures.

She has previously worked as an Associate and Manager at Price Waterhouse Public and Tax Law, S.L., serving as Head of the Area of Administrative Law, especially in the utilities sector: telecommunications, transport, electricity, postal, etc.

 **Nick Grossman**, Union Square Ventures general manager, author of « Regulation, the Internet Way »



Nick is the General Manager for Policy at Union Square Ventures.

In this role, he works with USV portfolio companies on public policy and regulatory issues and with internet advocates to support the health of the open web.

Previously, he led an incubator for technology & media businesses at the intersection of cities and data at OpenPlans, which, among other things, built NYC's real-time bus data platform. Nick is an advisor to the Data & Society Institute and the Data-Smart Cities Initiative at the Harvard Kennedy School, and has been a visiting scholar at the MIT Media Lab, an affiliate at the Berkman Center for Internet & Society at Harvard Law School.

 **Laure Lucchesi**, Etalab Director



Acting as a start-up, Etalab is placed within the Secretariat-General for State Modernization, where it leads radically innovative projects to put digital practices and tools at the heart of public administration, and to usher public services into the age of open and data-driven strategies. It operates the platform data.gouv.fr and animates the ecosystem to stimulate data reuse. Leading the team of the State Chief Data Officer, Etalab leverages datasciences and analytics to improve public policies and disseminate the culture of data within government. It also coordinates France's action within the Open Government Partnership, an international initiative gathering 70 countries, that France will chair in 2016.

Laure has 15 years of experience on digital transformation, disruption and innovation, for both the public and private sectors, in France, the US, in the Middle East, Africa and India. She spent two years as Trade Attaché at the Economic Department of the French Embassy in San Francisco. She holds a Master in Business Administration from HEC in Paris and has studied Psychology at Paris 8 University.

 **Primavera de Filippi**, Research fellow at Berkman Klein Center for Internet & society at Harvard university



Primavera De Filippi is a permanent researcher at the CNRS in Paris and faculty associate at the Berkman Klein Center for Internet & Society at Harvard, where she is investigating the concept of governance-by-design as it relates to blockchain technologies such as Bitcoin, Ethereum, etc. Primavera holds a PhD from the European University Institute in Florence. She is a member of the Global Future Council on Blockchain Technologies at the World Economic Forum, as well as the founder of the Internet Governance Forum's dynamic coalitions on Blockchain Technology (COALA). In addition to her academic research, Primavera acts as a legal expert for Creative Commons in France and sits on the stakeholder board of the P2P Foundation.

 **Françoise Benhamou**, Arcep board member



Françoise Benhamou holds degrees in social sciences and economics.

Career

- 1979-82: Professor of Social and Economic Sciences - Ecole normale supérieure de Saint Cloud (training college), François 1er secondary school;
- 1983-1991: Senior lecturer, Université de Paris X Nanterre, and Ecole normale supérieure de la rue d'Ulm;
- 1991-93: Technical advisor to the Minister of Culture, in charge of public reading policy, then Secretary-General of the Bibliothèque nationale des arts (National art library);
- 1993-2000: Senior lecturer, Université de Paris X Nanterre;
- 2001: University professor at the Université de Rouen, then at Université Paris 13;
- 2009-2010: Vice-president of the Université Paris 13; researcher at CEPN (Centre for economic research, Paris Nord) and at CRG (polytechnic).

François Benhamou also teaches at the school of Political Science in Paris, at the Institut National de l'Audiovisuel (National media institute) and the Institut National du patrimoine (National heritage institute).

Other positions held

- Member of the Cercle des Economistes (economic think tank);
- Jury member for Investissements d'avenir (Investing in the future); Scientific and technical culture and equal opportunity;
- Chairwoman of the ACEI (Association for Cultural Economics International);
- Member of the Editorial committee, Esprit;
- Member of the Steering committee, Fondation Jean Jaurès;
- Member of the Board of Directors and the Advisory Board of the Louvre;
- Member of the Higher Council on Literary and Artistic Property;
- Member of the Advisory Board of the National heritage institute;
- Member of the Programme Advisory Committee for TV channel ARTE;
- Member of the Steering committee for the National Centre for Variety and Jazz;
- Member of the Cinema Expert Group, European Commission (DG Education and culture).

Françoise Benhamou is the author of numerous articles, books, chapters of books and reports on cultural, media and digital economics.

William Webb, CEO of Weightless SIG, Director of Webb Search



William is CEO of the Weightless SIG, a body standardizing a new M2M technology and Head of Consulting at Webb Search. He was one of the founding directors of Neul, a company developing machine-to-machine technologies and networks, which was formed at the start of 2011 and subsequently sold to Huawei. Prior to this William was a Director at Ofcom where he managed a team providing technical advice and performing research. He has worked for a range of communications consultancies and spent three years providing strategic management across Motorola's entire communications portfolio, based in Chicago. He was IET President 2014-2015.

William has published 15 books, 100 papers, and 18 patents. He is a Visiting Professor at Surrey, Southampton and Trinity College Dublin Universities, a Fellow of the Royal Academy of Engineering, the IEEE and the IET. He has been awarded multiple honorary doctorates by the UK's leading universities.

Cédric Villani, Mathematician, Fields Medals winner (2010)



Born in Brive in 1973, Cédric Villani has been studying mathematics in Ecole Normale Supérieure in Paris. In 1998 he defended his PhD on the mathematical theory of the Boltzmann equation.

From 2000 to 2010 he was a Professor at the Ecole Normale Supérieure de Lyon; he is now a Professor at the University of Lyon - Claude Bernard. He was a visiting professor in a number of institutions, most notably in Atlanta (1999), Berkeley (2004, 2013) and Princeton (2009).

Since 2009 he has been the Director of the Institut Henri Poincaré, France's prime and oldest international institute for research in mathematical sciences. At the same time Villani coordinates the excellence laboratory CARMIN, devoted to mathematical

exchanges.

As a specialist of mathematical analysis applied to problems of statistical physics, geometry and probability, Villani has published over 50 research papers. He has also written three books, on gas theory and optimal transport theory, which have all become classics. He is a chief editor of *Journal of Functional Analysis*, and editor of *Inventiones Mathematicae*, among other.

Villani received many national and international mathematical awards, including the Fields Medal, often considered as the most prestigious in mathematics, intended for mathematicians below 40, awarded to him in 2010.

Since then he has been playing an informal role of ambassador for the french mathematical community to media (press, radio, television) and society in general. His books for nonspecialists, in particular *Théorème vivant* (2012, translated in a dozen of languages including Chinese), *La Maison des mathématiques* (2014, with J.-Ph. Uzan and V. Moncorgé), *Les Rêveurs lunaires* (2015, with E. Baudoin), and *Les Couloirs de la création* (2015, with Karol Beffa) have all found a wide audience. He has also given hundreds of lectures for all kinds of audiences around the world.

Villani participates actively in the administration of science, through the Institut Henri Poincaré, but also by sitting in a number of panels and committees, including the higher council of research and the strategic council of Paris, and High Level Group of Scientific Advisors at the European Commission. Since 2010 he has been involved in fostering mathematical sciences in Africa, through programs by the Next Einstein Initiative (African Institutes of Mathematical Sciences) and the World Bank.

Believing in the commitment of scientists in society, Villani is also a President of association, and a European federalist (vice-president of the think tank EuropaNova). He is also a father of two.

Web page : <http://cedricvillani.org>

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■ ■ Jacques Stern, Arcep board member



Jacques Stern is a graduate of the Ecole Normale Supérieure (ENS, 1968). He was granted his PhD by the University of Paris 7 (1975), and he has been a professor at the University of Caen, next at the University of Paris 7, and finally, from 1993 to 2007, a professor at ENS and the Director of the Computer Science Laboratory, that he has founded in 1999.

Jacques Stern is an expert in computer and communications security and cryptography. He has made over 100 contributions to scientific journals and has published a book entitled *La science du secret* (The science of secrecy). He holds a dozen patents. His main work has been devoted to the security analysis of cryptographic algorithms, as well as to the design of cryptographic algorithms suitable for smart cards applications.

Jacques Stern, who counts amongst the handful of Fellows of the International Association for Cryptologic Research, has been a member of numerous editorial or scientific committees and the chairman of the CCS (Communications and Computer Security) ACM conference in 1996 and of the 1999 Eurocrypt conference. He was also the recipient of the Lazare Carnot Prize from the French Academy of Sciences in 2003, of the CNRS Gold Medal, the highest French National Scientific Award in 2006, and of the RSA Award in 2007. In 2008, he was awarded the "Science and Defence" prize by the French Ministry of Defence. Jacques Stern is an "Officier" of the "Légion d'honneur".

From 2007 to 2010, Jacques Stern has been Chairman of the Board of the Agence Nationale de la Recherche (ANR), as well as Chairman of the Board of the company Ingenico, world supplier of transaction and secure payment solutions.

Early in 2010, Jacques Stern has left his positions both at ANR and at Ingenico and has joined the ministry of higher education and research as a senior advisor to minister Valérie Pécresse, a position that he has kept under minister Laurent Wauquiez.

In 2012, Jacques Stern has been appointed a member of the French National Regulatory Authority for Telecoms (ARCEP).



**Yochai Benkler, Professor of Entrepreneurial Legal Studies
at Harvard Law School and Faculty co-director of Berkman Klein
Center for Internet & Society at Harvard University**



Yochai Benkler is the Berkman Professor of Entrepreneurial Legal Studies at Harvard Law School, and faculty co-director of the Berkman Klein Center for Internet and Society at Harvard University. Since the 1990s he has played a role in characterizing the role of information commons and decentralized collaboration to innovation, information production, and freedom in the networked economy and society.

His books include *The Wealth of Networks: How social production transforms markets and freedom* (Yale University Press 2006), which won academic awards from the American Political Science Association, the American Sociological Association, and the McGannon award for social and ethical relevance in communications. In 2012 he received a lifetime achievement award from Oxford University in recognition of his contribution to the study and public understanding of the Internet and information goods. His work is socially engaged, winning him the Ford Foundation Visionaries Award in 2011, the Electronic Frontier Foundation's Pioneer Award for 2007, and the Public Knowledge IP3 Award in 2006. It is also anchored in the realities of markets, cited as "perhaps the best work yet about the fast moving, enthusiast-driven Internet" by the Financial Times and named best business book about the future in 2006 by Strategy and Business. Benkler has advised governments and international organizations on innovation policy and telecommunications, and serves on the boards or advisory boards of several nonprofits engaged in working towards an open society.

His work can be freely accessed at <http://www.benkler.org>

PRESENTATION TITLE AND DESCRIPTION

Dimensions of Power in Networked Society: New Forces, New Sources

Telecommunications policy has long sought to assure innovation and competition around less competitive platform elements--historically the local loop. The Internet emerged as an open framework for communications, whose openness was grounded in the interactions among legal, market, organizational, social-cultural, and technical systems. Early regulatory concerns focused on discrete control points--the last mile physical carriage medium, and in the Microsoft case, the operating system. In the past decade, new points of control have been emerging below and above the layers whose openness was supposed to retain an open Internet. The transition to smartphones, cloud services, platforms, streaming video, and big data have created new points of control, and shifted the dynamics not only of technology, but also of the relevant areas of law, the relevant markets, and the organizational and social-cultural systems involved in creating points of control and containing it.

The re-emergence of control at different layers or locations in the Yochai Benkler Reference communications system, even where earlier battles over openness have been "won" at some layers or loci, poses a new and different regulatory challenge: how to maintain relevance when the who, where, what and how of power in communications networks continuously changes and adapts to existing successful efforts to diffuse power. The challenge is compounded by the fact that the epistemological framework of regulatory action from twenty years ago, that saw competitive market signals under properly constrained regulation as the best source of knowledge about how to organize our systems, has come under pressure from the failures of the Great Recession and the reality of the centrality of learning networks and communities of practice outside of markets.

Contemporary regulatory plans must therefore reorient not only to continuously shifting loci and forms of rent-extraction and power, but to develop solutions that are as much focused on maintaining the openness and commons required by learning networks as on maintaining competitive conditions and investment incentives for firms.