



10th European Innovation Summit



Dinner Debate and Networking Reception in cooperation
with IEEE

De-mystifying Blockchain

Hosted by Marietje Schaake MEP

Tuesday, 27 November 2018 | 18:00 – 22:00

MEP Restaurant, European Parliament, Brussels

Description

Blockchain technologies are much more than a ICT platform enabling cryptocurrencies and financial technology applications. They hold the potential for transforming enterprise networks and the internet of today into a future state where electronic data driven interactions are secure, resilient, efficient, transparent, and based on value and trusted relationships.

The IEEE Dinner Debate on 'De-Mystifying Blockchain' will bring together experts from industry and academia with policy makers to address different perspectives of Blockchain technologies in industrial domains and applications impacting the everyday life of citizens, including energy, agriculture, security and supply chain management.

Speakers

Host

Marietje Schaake, *Member of the European Parliament*

Moderator:

Eva Kaili, *Member of the European Parliament*



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Panellists:

Marko Delimar, *Chair of the IEEE European Public Policy Committee, IEEE*

Brian Heinen, *Founder, Local Producer*

Claudio Lima, *Chair of the IEEE Blockchain in Energy Standards, IEEE*

Soulla Louca, *Professor and Director of the Blockchain Initiative, University of Nicosia*

Ramesh Ramadoss, *Co-Chair of the IEEE Blockchain Initiative, IEEE*

Marietje Schaake, *Member of the European Parliament*

Angelos Stavrou, *Founder and CEO, Kryptowire LLC*

Stefano Zanero, *Associate Professor, Polytechnic University of Milan*

Pēteris Zilgalvis, *Head of the Digital Innovation and Blockchain Unit, DG CONNECT, European Commission*

Willem Jonker, *CEO, EIT Digital*

Alina Gratschner, *Co-founder, Accelerate Korea*

Event programme

Networking Cocktail: 18:00 - 18:30

Welcoming & Opening Remarks: 18:30 - 18:45

- **Marko Delimar**, *Chair of the IEEE European Public Policy Committee*

Introductory Remarks: 18:45 - 19:00

- **Stefano Zanero**, *Revolution or hype? A critical review of the blockchain technology'*

Dinner Debate: 19:00 - 21:00

- Moderator: **Eva Kaili**
- Impulse: **Brian Heinen**, *'Agriculture and Food Value Chain'*
- Impulse: **Claudio Lima**, *'Blockchain in Grid Modernization'*
- Impulse: **Soulla Louca**, *'Self-Verifiable Digital Records'*
- Impulse: **Ramesh Ramadoss**, *'Next Generation Supply Chains'*
- Impulse: **Angelos Stavrou**, *'Privacy & Security'*



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- Impulse: **Pēteris Zilgalvis**, *'EU's initiatives in Blockchain'*

Networking Cocktail: 21:00 - 22:00

Host and Speakers

Marietje Schaake, *Member of the European Parliament*



Marietje Schaake is a Dutch politician and has been serving as a Member of the European Parliament since 2009. She is a member of D66, part of the Alliance of Liberals and Democrats for Europe (ALDE) political group. She is Coordinator on the International Trade committee, where she is the ALDE spokesperson on transatlantic trade and digital trade. Schaake also serves on the committee on Foreign Affairs and the subcommittee on Human Rights. She is the Vice-President of the US Delegation and serves on the Iran Delegation and the Delegation for the Arab peninsula. Furthermore, Schaake is the founder of the European Parliament Intergroup on the Digital Agenda for Europe. In 2017 she was Chief of the European Union Election Observation Mission in Kenya.

Since 2014, Schaake is a 'Young Global Leader' with the World Economic Forum and she was recently appointed as co-chair of the WEF Global Future Council on Agile Governance. Schaake is a Member of the Transatlantic Commission on Election Integrity, the Global Commission on the Stability of Cyberspace and chair of the CEPS Taskforce on Software Vulnerability Disclosure in Europe. Furthermore, she is a member of the European Council on Foreign Relations and an advisor to the Center for Humane Technology. Schaake was featured by Politico as one of the 28 most influential Europeans in the 'class of 2017'.

Eva Kaili, *Member of the European Parliament*



Eva Kaili is a Member of the European Parliament, elected in 2014.

In her capacity as the Chair of the European Parliament's Science and Technology Options Assessment body (STOA) she has, been working intensively on promoting innovation as a driving force of the establishment of the European Digital Single Market. She has been particularly active in the fields of blockchain technology, m/eHealth, big data, fintech, AI and cybersecurity.

Since her election, she has also been very active in the field of taxation, where she has been the Rapporteur of the ECON committee's annual tax report. As a member of the ECON committee, she has been focusing on EU's financial integration and the management of the financial crisis in the Eurozone.



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Prior to her position in the European Parliament, she has been elected two times in the Greek Parliament (serving between 2007-2012), with the PanHellenic Socialist Movement (PASOK). She holds a Bachelor degree in Architecture and Civil Engineering, and Postgraduate degree in European Politics. Currently, she is conducting her PhD in International Political Economy.

Marko Delimar, *Chair of the IEEE European Public Policy Committee, IEEE*



Professor Marko Delimar is an electrical engineer, educator and researcher. He holds BSc, MSc and PhD degrees in Electrical Engineering and a Diploma in Management. At present, he is Vice Dean of Education and Professor at the University of Zagreb, Faculty of Electrical Engineering and Computing, where he has been with the Department of Energy and Power Systems since 1997. His interests include electric power and energy systems, simulations and modelling, intelligent systems, and engineering education. His current research focuses on analysis and design of smart grid architectures and large-scale integration of renewables. An IEEE volunteer since 1994, he previously served as IEEE Secretary and IEEE Region 8 Director and is known as a co-creator of IEEEXtreme. In 2018, he serves as Director (Member of the Board) of the IEEE Foundation.

Brian Heinen, *Founder, Local Producer*

Topic: Agriculture and Food Value Chain



Brian is an advocate and strategic director drawing on 15 years of collaborating with an extensive network of multinational influencers and professional resources in Blockchain, Crypto, Fintech, Procurement/ Supply Chain, Agriculture/ Food Value Chain, Open Innovation and Tech – helping brands and organizations with business community development. Producer of Bitcoin Foundation's Bitcoin2014 Initiative and Founder of Blockchain in Europe.

Brian believes the best opportunities for integrating blockchain are within the food value chain, as well as, the greatest rewards.



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Claudio Lima, *Chair of the IEEE Blockchain in Energy Standards, IEEE*

Topic: Blockchain in Grid Modernization



Dr. Claudio Lima is a seasoned technology executive and thought leader in Advanced Blockchain, IoT and AI technologies with expertise in energy (utilities, oil and gas), smart city and telecom/IT digital transformation. He has a Ph.D. in Electronic Engineering at the UKC (England).

Previously he was the Global Smart Grid CTO of Huawei Technologies in Europe-Asia-Pacific and a Distinguished Member of Technical Staff (DMTS) at Sprint Advanced Technology Labs (Sprint ATL), in Silicon Valley-CA.

Dr. Lima currently leads the IEEE Blockchain Standards development as Chair and Vice-Chair of IoT and Energy Working Groups. He also serves as the Blockchain Cybersecurity Industry Advisory Board Member of the Department of Energy (DOE)/PNNL

Soulla Louca, *Professor and Director of the Blockchain Initiative, University of Nicosia*

Topic: Self-Verifiable Digital Records



Soulla Louca received her Ph.D. in Computer Science in 1994 from Illinois Institute of Technology in Chicago. She has participated/coordinated numerous projects funded by the NSF-USA, RPF-Cyprus and the European Framework programs.

In 2006, she was appointed by the RPF to represent Cyprus in the Domain Committee for ICT for the European program COST (www.cost.eu) and for six years (2008-2014), she was the elected Chair of the Domain for the 36 Member States of COST.

She is one of the first academics to get involved in blockchain technologies (2014) by assuming the responsibility of the Blockchain Initiative at the University of Nicosia (UNIC). The Blockchain Initiative has designed and developed the first MSc worldwide in Digital Currency, the technology for publishing academic certificates on the blockchain (<http://block.co/>) and organized several events including Decentralized 2017/18 (www.decentralized.com). She is a professor as well as the Director of the Blockchain Initiative at UNIC.



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Ramesh Ramadoss, *Co-Chair of the IEEE Blockchain Initiative, IEEE*

Topic: Next Generation Supply Chains



Ramesh Ramadoss received his Bachelor of Engineering degree from Thiagarajar College of Engineering, Madurai, India in 1998 and PhD degree in Electrical Engineering from the University of Colorado at Boulder, USA in 2003. Between 2003 and 2007, he was employed as an Assistant Professor in the Department of Electrical and Computer Engineering at Auburn University, Alabama, USA.

Between 2008 and 2017, he was employed as a Manager/Director in technology companies in the San Francisco Bay Area, California, USA. Currently, he is the President & CEO of BitCasas Inc., a Silicon Valley based startup working on blockchain-enabled tokenization of real estate mortgage loans. He is the author or coauthor of 1 book, 4 book chapters and 55 papers. He is an IEEE Senior Member. He is a Co-Chair of the IEEE Blockchain Initiative. He is also the Chair of the IEEE P2418.1 Standards Working Group focusing on Blockchain for IoT.

Angelos Stavrou, *Founder and CEO, Kryptowire LLC*

Topic: Security & Privacy



Dr. Angelos Stavrou is Founder and CEO of Kryptowire LLC, a Virginia based Mobile Security company. Stavrou has served as principal investigator on research awards from NSF, DARPA, IARPA, DHS, AFOSR, ARO, ONR, he is an active member of NIST's Mobile Security team and has written more than 90 peer-reviewed conference and journal articles.

Stavrou received his M.Sc. in Electrical Engineering, M.Phil. and Ph.D. (with distinction) in Computer Science all from Columbia University. He also holds an M.Sc. in theoretical Computer Science from University of Athens, and a B.Sc. in Physics with distinction from University of Patras, Greece. Stavrou is an Associate Editor of IEEE Transactions on Reliability and IET Journal on Information Security.

His current research interests include security and reliability for distributed systems, security principles for virtualization, and anonymity with a focus on building and deploying large-scale systems. Stavrou received the GMU Department of Computer Science Outstanding Research Award in 2010, 2016 and 2018 and was awarded with the 2012 George Mason Emerging Researcher, Scholar, Creator Award, a university-wide award. In 2013, he received the IEEE Reliability Society Engineer of the Year award. He is a NIST guest researcher, a member of the ACM and USENIX, and a senior IEEE member. Under DHS funding, Kryptowire designed and implemented novel MDM and analysis software that can collect mobile application and network telemetry from mobile devices for which his team was awarded the DHS Cyber Security Division's "Significant Government Impact Award" in 2017.



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Stefano Zanero, *Associate Professor, Polytechnic University of Milan*

Topic: Revolution or hype? A critical review of the blockchain technology



Stefano Zanero received a PhD in Computer Engineering from Politecnico di Milano, where he is currently an associate professor with the Dipartimento di Elettronica, Informazione e Bioingegneria. His research focuses on malware analysis, cyberphysical security, and cybersecurity in general. Besides teaching “Computer Security” and “Computer Forensics” at Politecnico, he has an extensive speaking and training experience in Italy and abroad. He co-authored over 90 scientific papers and books.

He is a Senior Member of the IEEE, the IEEE Computer Society (for which he is a member of the Board of Governors), and a lifetime senior member of the ACM. Stefano co-founded the Italian chapter of ISSA (Information System Security Association). He has been named a Fellow of ISSA and sits in its International Board of Directors.

A long time op-ed writer for magazines, Stefano is also a co-founder and chairman of Secure Network, a leading information security consulting firm based in Milan and in London; a co-founder of 18Months, a cloud-based ticketing solutions provider; and a co-founder of BankSealer, a startup in the FinTech sector that addresses fraud detection through machine learning techniques.

Pēteris Zilgalvis, *Head of the Digital Innovation and Blockchain Unit, DG CONNECT, European Commission*

Topic: EU’s initiatives in Blockchain



Pēteris Zilgalvis is the Head of Unit for Digital Innovation and Blockchain in the Digital Single Market Directorate in DG CONNECT and is the Co-Chair of the European Commission FinTech Task Force. He was nominated on the list of CoinDesk’s Most Influential People in Blockchain 2017.

He was the Visiting EU Fellow at St. Antony’s College, University of Oxford for 2013-14, where he is an Associate of the Political Economy of Financial Markets Programme. From 1997 to 2005, he was Deputy Head of the Bioethics Department of the Council of Europe, in its Directorate General of Legal Affairs. In addition, he has held various positions in the Latvian civil service (Ministry of Foreign Affairs, Ministry of Environment).

He was Senior Environmental Law Advisor to the World Bank/Russian Federation Environmental Management Project and was Regional Environmental Specialist for the Baltic Countries at the World Bank. He has been a member of the California State Bar since 1991, completed his J.D. at the University of Southern California, his B.A. in Political Science Cum Laude at UCLA, and the High Potentials



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Leadership Program at Harvard Business School. A recent publication of his is “The Need for an Innovation Principle in Regulatory Impact Assessment: The Case of Finance and Innovation in Europe” in Policy & Internet.

Willem Jonker, *CEO, EIT Digital*



Prof. Willem Jonker (1962) has a broad background in ICT, both in industry as well as in academia. He studied mathematics and computer science at Groningen University, worked at Delft University of Technology, received his PhD from the University of Utrecht, and is a part-time full professor in computer science at Twente University.

Willem Jonker's industrial experience covers telecommunications (KPN), IT (European Computer industry Research Centre, Munich) and consumer electronics (Philips). He held several positions as researcher, international project leader, department head, sector head, and account manager. In 2006 he was appointed Vice President Philips Research. Prof. Dr. Jonker has served European ICT research in various ways amongst others as project leader, reviewer, and advisor.

Alina Gratschner, *Co-founder, Accelerate Korea*



Alina has lived and worked all over Europe, the U.S., Africa, and across Asia, being actively engaged in connecting and developing innovative ecosystems across continents.

Alina is the Managing Partner and Co-founder of ‘Accelerate Korea’, focusing on cross-border incubation and acceleration programs in partnership with public and private sectors. Being passionate about exponential and disruptive technologies shaping our future and driving economic development she contributes as an advisor, guest lecturer and mentor to various organizations.