Online workshop

ÚSTAV STÁTU A PRÁVA
Akademie věd ČR

Legal Aspects of Quantum Technologies

Wednesday 13th October 2021 / 6.30 – 8.00 PM (CET)
Institute of State and Law of the Czech Academy of Sciences, Research Law Centre

Registration:
You can register until 12th October 2021. Here you find the registration form.
Registered participants will receive connection details.
The workshop will be held in English.

Programme:

6.30—6.45 PM Introduction to Quantum Technologies

doc. Mgr. Karel Lemr, Ph.D.

Karel Lemr, Ph.D. is currently an associate professor at Palacky University, Olomouc, Czech Republic. His research interests involve quantum information processing, especially on the platform of linear optics and discrete photons.

Abstract
The talk will introduce non-specialists to the scientific field of quantum computing and quantum communications. Key differences between classical information theory and its quantum counterpart will be outlined and the recent technological progress reviewed. Finally, the concept of 'unconditionally' secure cryptography using quantum key distribution will be presented in the context of commercially available devices.

6.45—7.30 PM Legal Implications of Quantum Technologies

Prof. Joris van Hoboken, Ph.D.

Joris van Hoboken is a Professor of Law at the Vrije Universiteit Brussels (VUB) and a Senior Researcher at the Institute for Information Law (IViR), University of Amsterdam. He works on the intersection of fundamental

rights protection (data privacy, freedom of expression, non-discrimination) and the governance of platforms and internet-based services. He is a specialist in European data protection, algorithmic governance and the regulation of internet intermediaries. At VUB, He is appointed to the Chair “Fundamental Rights and the Digital Transformation”, which is established at the Interdisciplinary Research Group on Law Science Technology & Society (LSTS), with the support of Microsoft.

Abstract
In his talk, prof. dr. Joris van Hoboken will explore the question about the possible legal implications of quantum technologies, drawing on his role in the Quantum Software Consortium’s Legal and Societal Sounding Board and the Quantum & Society action line of the Quantum Delta NL ecosystem. Starting with the question of encryption policy and Europe’s emphasis on strategic autonomy in relation to quantum technologies, he will discuss a number of other issues that the development of quantum technologies brings into focus.

7.30—8.00 PM Discussion