

SUMMER COURSE

LAW AND TECHNOLOGY IN A DATA-DRIVEN SOCIETY

9-13 JULY 2018, 18-20H | NOVA SCHOOL OF LAW, ROOM 007

COURSE COORDINATOR

Jorge Bacelar Gouveia, Full Professor of Law

COURSE LECTURERS

Jerry I-H Hsiao, PhD, Assistant Professor, University of Macau (Ph.D., University of London, UK; LL.M., University of Newcastle upon Tyne, UK; LL.B., National Taipei University, Taiwan)

COURSE SUMMARY

DAY 9 INTRODUCTION TO LAW AND BIG DATA

This class introduces to the students the concept of Big Data and how it is changing the society we live. The scale of the Big Data revolution is such that all kinds of human activities and decisions are beginning to be influenced by Big Data predictions, including dating, shopping, medicine, education, voting, law enforcement, terrorism prevention, and cybersecurity. The impact of Big Data on law will be the focus for this class.

DAY 10 INTELLECTUAL PROPERTY AND BIG DATA- ISSUES AND WAYS FORWARD

This class aims to allow students to explore how Big Data is changing the jurisprudence of intellectual property, especially patent law. Students will analyze cases from the United States to see how current patent statute which is largely the legacy from the mechanical era is struggling to cope with a data-driven new technology.

DAY 11 APPLICATION OF BIG DATA IN THE HEALTH AND LIFE SCIENCE INDUSTRY

In this class, students will be exposed to one industry which is currently under a Big Data revolution, namely the health and life science industry. By using Big Data, the possibility of personalized medicine is on the edge of becoming a reality. By using Big Data and machine learning technology, doctors are able to have a holistic view and assist them both in diagnosing and treatment. This class introduces to students how Big Data is transforming the health and life science industry.

DAY 12 PERSONAL PRIVACY IN A DATA-DRIVEN SOCIETY

This class aims to allow students to understand how Big Data is penetrating our daily lives and how personal privacy could be compromised in the process. This is becoming an acute concern as mass media such as Facebook, Twitter, Gmail, Whatsapp, etc., are almost part of one's daily life. Information transferred via these mass media have the potential to leak out personal privacy unwillingly and unintentionally. Hence, students in this course will explore the topic of Big Data ethics to address these concerns.

DAY 13 BIG DATA BLACKLISTING

This class explores the concept of "Big Data Blacklisting" which is the process of government led actions in categorizing individuals as administratively guilty until proven innocent by virtue of digital data and database screening results. Database screening and digital watch listing systems are increasingly used to determine who can work, vote, fly, etc. Students will be explored to this phenomenon and invited to discuss the potential constitutional harm happening in the digital age.

FEES: 100€ (general public); 50€ (FDUNL students).

REGISTRATIONS: instituto.direito.publico@gmail.com until July 5, 2018.

It is necessary to fill in a minimum number of candidates for opening the course. If the number is not filled in, the coordinator has the right not to open the course.

Organização

IDiP INSTITUTO DE DIREITO PÚBLICO

Apoio

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