





LIFELONG LEARNING PROGRAMME 2023-2024





New educational programme on the law and policy questions raised by artificial intelligence (AI) and robotic technologies. The programme is entirely taught in English and divided into four blocks of 24 modules. Students who pass all the modules will be awarded an "Executive Master" of 15 credits.

PRIX
250 €
1 SESSION
2400 €
12 SESSIONS
3600 €
24 SESSIONS

AI FUNDAMENTALS 1_INITIATION TO ALGORITHM DESIGN 24.11.2023 | R. SIEBERATH 2_FIRST DIVE IN LAW & AI 01.12.2023 | A. ITTOO, G. SARTOR 3_ETHICS AND AI 08.12.2023 | N. SMUHA, R. HEYMAN 4_PUBLIC POLICY AND REGULATION AROUND THE WORLD

15.12.2023 | C. CAIRA, A. V. MAUGERI, B. KOHN

BLOCK 1

BLOCK 2 THE LAW OF AI 5_EU REGULATION: THE AI ACT 12 12.01.2024 | B. JURETZKI, J-M LECLERC, M. ALMADA 6 LIABILITY 12 19.01.2024 | A. BERTOLINI, M. BEAMISH, J. DE BRUYNE 7 DATA PROTECTION 13 26.01.2024 | L. DE MUYTER, A. COLAPS 8 COMPETITION <u>13</u> AND CONSUMER PROTECTION 02.02.2024 | F. BOSTOEN, T. GRAF, A. JABLONOWSKA 9 AI & LAW ENFORCEMENT 14 09.02.2024 | V. FRANSSEN, F. JACQUES, T. SCHREPEL 10 AI & INTELLECTUAL PROPERTY 14 16.02.2024 | J. CABAY, P. CAPPUYNS 11 CYBERSECURITY 15 23.02.2024 | R. ROEX, B. ASNOT, R. GALVEZ, P. DEMOLDER 12 LABOUR MARKET & LABOUR LAW 15 01.03.2024 | J. FRANSSEN, S. TAES

BLOCK 3 AT IN PRACTICE 13 IMPLEMENTING AN AI 16 PROJECT IN MY ORGANIZATION 15.03.2024 K. FRANÇOISSE, A. BEECKMAN 14 AI CONTRACTING 16 22.03.2024 | T. VAN CANNEYT, L. VANDERDONCKT 15 AI APPLICATIONS FOR LAWYERS 17 29.03.2024 | E. DE HERDT, T. AERTGEERTS 16 CODING FOR LAWYERS 17 05.04.2024 | T. CALDERS, S. PAUWELS 17 BEYOND AI: BLOCKCHAIN 18 (AND DIGITAL CURRENCIES) 12.04.2024 | D. DOBBELAERE, F. DUBOIS 18 SMART CONTRACTS 18 19.04.2024 | D. DOBBELAERE, F. DUBOIS 19 ECONOMIC REGULATION AND 19 COMPETITION POLICY IN THE METAVERSE 26.04.2024 N. PETIT, T. SCHREPEL, C. FISCHER

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20_MOBILITY AND AI 17.05.2024 F. JACQUES, N. ZURKINDE Y. PEREZ	<u>19</u> :N,
21_HEALTHCARE AND LIFE SCIENCES 24.05.2024 R. ALDERWEIRELDT, G. BRIGANTI, T. HELLEPUTTE	<u>20</u>
22_FINANCE AND AI 31.05.2024 A. FRIMOUT, M. FEYS, C. RUT	<u>20</u> JES
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FOREWORD

At the start of the new academic year (2023-2024), we can draw the following lessons from previous years:

- > It is fair to say that we were ahead of our time when we launched our first course on law and artificial intelligence back in 2017, long before the buzz around Al. Today, everyone is talking about this issue, which has the potential to radically transform our society.
- > With the emergence of AI chatbots and AI-generated inventions, for example, there can be no doubt that our course programme will go on developing at lightning speed. Furthermore, Europe is determined to play a leading role in the regulation of AI, which is why we have added no fewer than six new modules to our Executive Master programme (see the new programme opposite).
- > While distance learning works perfectly well and indeed allows students from around the world to follow our courses, nothing can replace in-person contact with lecturers/teaching staff and fellow participants. Therefore, our advice to all those who can manage it is to come to Brussels for classroom learning – it will be worth your while!



www.bsc-brussels.eu



PHILIPPE LAMBRECHT President of the BSC Special Advisor VBO FEB



CHARLES GHEUR CEO of the BSC Advisor for Minister-President of the Federation Wallonia-Brussels



NICOLAS PETIT Joint Chair in European Union Competition Law European University Institute





AMBITION OF THE PROGRAMME

LEGAL, POLITICAL AND ETHICAL CHALLENGES

The 'digitalization' of our lives poses a real challenge for the law, given that the rules currently in force may turn out to be unsuitable or insufficient to cope with this new reality.

This could have an impact on all aspects of the law, including liability law(civil/criminal, contractual/non-contractual), intellectual property, trade secrets, competition, consumer protection, privacy protection, insurance law and judicial law. Sooner or later, the changes brought about by AI will affect every single area.

The aim of this programme is to help legal advisers and public policymakers better understand these changes, anticipate them and guide them where appropriate.

MULTIDISCIPLINARY TRAINING (BOTH LEGAL AND TECHNICAL)

To grasp Al's impact on our society, it is worth learning about the technical aspects as well: understanding how an algorithm works, getting to grips with IT jargon, understanding what is meant by 'deep learning', 'neural network', and so on. This is also about teaching legal advisers about technology. Legal advisers and policymakers need to have a working understanding of technological concepts in order to provide better counsel to their clients, companies or public authorities.

With this in mind, the courses are run by both legal advisers and technical experts. The technical experts use concrete, understandable language to shed light on changes in our society and the huge potential of AI and cognitive technologies.

Special emphasis is placed on sectors where AI is growing the most at the moment: mobility, finance, healthcare and legal services.



ADMISSION REQUIREMENTS

EDUCATION

All applicants must hold a first cycle of higher education diploma in Law, Economics or Management Science. Alternatively, applicants may have completed two years of higher education with 3 years of relevant professional experience in a field related to law and digital technology.

LANGUAGE SKILLS

A working knowledge of English is required (Council of Europe, Independent User, scale B2).

VISA REOUIREMENTS

Participants must hold a valid visa when they attend the programme at the Brussels School of Competition.

Non-EU foreign students may have to provide a copy of their visa during the application process. Relevant information may be found on the website of the Ministry for Foreign Affairs:

http://diplomatie.belgium.be/en/services/travel_to_belgium/studying_in_belgium

No visa is required for distance learning classes.

FEES

* fees include the programme modules, catering and course materials only. The tuition fee is €3.600 * for the entire course (24 modules).

The fee for 12 modules is 2.400€. The fee for a separate module is €250.

Students interested in spreading their attendance over 2 years should mention it at the beginning of the application process. The Board may then allow the programme to be spread over a **maximum of two years**. Students who want to spread the programme over **two years** will be requested to pay a €250 fee per additional year. This fee covers administrative costs.

The course fees are due before registration deadlines.

REGISTRATION

Executive Master applicants must submit their application no later than **November 10**, **2023**. The registration form can be filled directly from the Brussels School of Competition website:

bsc-brussels.eu/artificial-intelligence/how-to-apply/

As a rule, tuition fees must be paid in full prior to the start of the programme or chosen block/module. Upon receipt of payment, the student's BSC account will be activated and registration will be complete.

The programme is geared towards the requirements of working professionals. Participants may decide to follow only part of the programme, opting for a limited range of modules which correspond to their main areas of interest. Students attending the programme, or part of it, are entitled to continuing professional development (CPD) points from the relevant authorities.



A. Be enrolled

programme (24 modules)

B. Earn a **grade** of

and block 2 exam

C. Earn a grade

for their end-

of-year work

of at least 10/20

at least 10/20 for the block 1 exam

for the **full**

ORGANISATION

TIMETABLE

The Executive Master in Law & Al covers a full academic year, starting in 25 November 2023 and ending on 16 June 2024. The courses are organised on Friday mornings via Zoom or at the premises of the BluePoint Brussels. The Executive Master is divided into four blocks of 24 modules. Each module takes place on Friday mornings from 9.30 a.m. to 12.30 p.m. (Brussels Time).

DISTANCE LEARNING CLASSES

All classes can be taken remotely:

- > Either the classes are given completely remotely via the "My BSC" platform
- >Or they are given in a hybrid format, i.e. in person to students while being simultaneously livestreamed.

ASSESSMENT

To earn the Executive Master in Law and Al diploma, students must:

EVALUATION OF BLOCKS 1 AND 2

At the end of block 1 and block 2, students will receive via the "My BSC" learning platform an individual take-home exam to be returned two weeks later (e.g. case studies, multiple choice questions, etc.).

END-OF-YEAR WORK

During the year, the student will identify a subject of his/her choice related to AI law. The final project can take one of the following two

> If the subject is more theoretical, the student can write a **dissertation** (about 20 pages).

or

> If the subject is more technical and/or practical, the student can choose to give an **oral** presentation in front of a jury (e.g. business case, AI application to be developed by your organisation, Legal Tech project, etc.)

3 EXECUTIVE MASTER IN LAW AND AI **DIPLOMA**

Participants who complete the full programme and pass the assessment examination will receive an Executive Master in Law & AI, as well as 15 credits (see European recognition and the decree of 7 November 2013 defining the higher education landscape and the academic organisation of studies). The certificate is personally significant for the participant's training and education plan, and the credits can be used when pursuing academic training in Europe.

ATTENDANCE POLICY

In order to maintain a dynamic and effective learning environment, it is essential students attend all scheduled classes, both held in person or online. Although attendance is not mandatory for all classes, students are allowed up to three absences over the course of the programme.

Absences must be justified, whether due to work activities or medical reasons. Attendance is highly recommended.

TEACHING MATERIALS

Students will receive an online documentation pack comprising an outline of their course and relevant regulations, case law and academic literature for each module. Students may be given reading assignments. Students will have access to an online teaching platform where they can upload the exam and consult the materials before and during each course. All the courses will be filmed (video recording available for each session) and uploaded on the student platform.

















BLOCK1 AI FUNDAMENTALS | 12 HOURS (2 ECTS)

INITIATION TO ALGORITHM DESIGN

2_ FIRST DIVE IN LAW & AI

24.11.2023

01.12.2023



PROFESSORS



PROFESSORS



ROALD SIEBERATH CEO @ AI Black Belt Venture Partner & Coach @ LeanSquare



ASHWIN ITT00 Professor of Information Systems/Business Analytics HEC ULiege



GIOVANNI SARTOR Professor of Legal Informatics and Legal Theory, ERC-advanced grant CompLaw



TE CONTENT

PART 1: AI CONCEPTS

- > What is AI? Examples of AI
- > Why is AI important? (+Ethics & legal implications)
- > How does it work?
- > Machine Learning
- > "Data Culture"
- > A feeling of possibility

PART 2: AI PROJECTS

- > What to do? Detecting opportunities
- > How to choose an AI project
- > Workflow of an AI project
- > Case

TE CONTENT ______

- > How to characterize AI: Edge between Science and engineering of making machines
- > What is Machine intelligence via learning?
- > What is Supervised Learning
- > How does Artificial Neural Networks work
- > How do you process Deep Learning?
- > What are the different uses with Big Data?
- > Do you know Natural Language Processing (NLP)?
- > Antitrust Cases in Al Science
- >The role of Unsupervised Learning in Antitrust Cases
- > What are the regulatory issues for cognitive technology and AI?
- > General legal options in relation to AI
- > AI technology introduction in the Public Sector
- > What is good Public Administration
- > How does AI intervene in Public Administration efficiency?

5 ETHICS AND AI

08.12.2023

PROFESSORS



NATHALIE SMUHA Lawyer & Researcher KUI euven



ROB HEYMAN Coordinator of the Knowledge Centre Data and Society

TE CONTENT

- > Al Ethics: an Introduction
- > Ethics 101: Why are we talking about Ethics?
- > Main ethical theories
- > Ethical relativism?
- > Ethics of Al
- > Disambiguation: Ethics of Al / Machine Ethics
- > Ethics and the Law
- > Challenges to govern "AI"
- > From Ethics to Policy and Law
- > An STS approach to AI Ethics
- > Al Ethics put to Practice: Policy, Law & Use-cases
- > The EU Approach to Ethical AI
- > Ethics Guidelines for Trustworthy AI
- > Beyond the EU border
- > Use Cases

PUBLIC POLICY AND REGULATION AROUND THE WORLD

15.12.2023





CELINE CAIRA economist/policy analyst OECD



ALEXANDER V. **MAUGERI** Of Counsel JONES DAY



BENEDIKT KOHN Tech lawyer and a member of Taylor Wessing's Technology

TE CONTENT

- > Regulatory Framework for AI
- > What/When/How to regulate?
- > Regulation by whom?
- > The state of Global AI Regulation
- > Reliance on existing law vs new legislation
- > Utilising existing regulatory body vs AI regulatory body
- >EU: the world's first comprehensive AI law?
- > US: Blueprint for an AI Bill of Rights
- > NIST's AI Risk Management Framework
- > China: Next Generation AI Development Plan / Algorithm Provisions / Deep Synthesis Provisions
- > The OECD AI Principles



LIVE STREAM CLASSES •

CLASSES MARKED WITH A ZOOM LOGO WILL BE EXCLUSIVELY GIVEN ONLINE. ALL OTHER CLASSES CAN BE TAKEN BOTH IN PERSON AND REMOTELY

BLOCK2 THE LAW OF AI | 18 HOURS (3 ECTS)

_ EU REGULATION: THE AI ACT

6_ LIABILITY

12.01.2024

PROFESSORS

19.01.2024



PROFESSORS



BJOERN JURETZKI Head of Unit "Data Policy and Innovation"



JEAN-MARC LECLERC Head of EU Policy TRM



MARCO ALMADA Researcher European University Institute



ANDREA BERTOLINI Assistant Professor of Law Scuola Superiore Sant 'Anna



MARK BEAMISH Legal Officer

T CONTENT



JAN DE BRUYNE Research Expert & European Commission Postdoctoral researcher at the Centre for IT & IP Law

TE CONTENT

- > Definitions and technological scope of the regulation
- > Al techniques and approaches covered
- > Risk-based approach
- > New transparency obligations
- > Voluntary Codes of Conduct
- > Protection of fundamental rights
- > Notifying authorities and notified bodies
- >CE marking and process
- > Data quality and integrity
- > Data governance
- > Record-keeping
- > Human oversight
- > Accuracy, robustness and cybersecurity
- > Obligations of operators
- > Penalties
- > Supporting innovation: regulatory sandboxes, support for SME's/start-ups
- > The governance structure

PART 1: AI AND LIABILITY

- > Definitions matter, Autonomy & Electronic personhood
- >EU Directive on liability for defective products
- > A law and economic analysis of product liability
- > Alternatives: Risk-Management
- > Separating the functions of liability rules
- > The October 2020 proposal of the EU Parliament
- > Case studies

PART 2: LIABILITY DIRECTIVE

- >EU safety and liability frameworks
- > Principles of the EU safety and liability frameworks
- > Main concepts of the directive
- > Recent findings

DATA PROTECTION

26.01.2024



PROFESSORS . . .



LAURENT DE MUYTER Antitrust, Telecom and Data Protection Partner JONES DAY



ANNA **COLAPS** Member of Cabinet **EDPS**

COMPETITION AND CONSUMER PROTECTION

02.02.2024



PROFESSORS . . .



FRISO BOSTOEN Max Weber Fellow European University Institute



THOMAS GRAF Partner Cleary Gottlieb LLP



AGNIESZKA JABLONOWSKA Legal researcher Leiden University

TE CONTENT

- Introduction: context of personal data regulation and privacy and its relationship with AI
- > Evolving data protection reform causes and correlations
- > Data and AI soft law, getting harder
- > GDPR applies to "processing" of "personal data"
- > GDPR
- > First cases/decisions

TE CONTENT

- > AI and Data related Competition Policy developments in Europe
- > Algorithm, Data and Competition Law
- > Background
- > Competition law issues raised by AI
- > Risk of tacit collusion
- > Price discrimination
- > How competition agencies might be able to use AI as a tool in their work?
- > Market based/tech solutions
- > Could or should we use AI systems to solve those problems?



LIVE STREAM CLASSES •

CLASSES MARKED WITH A ZOOM LOGO WILL BE EXCLUSIVELY GIVEN ONLINE. ALL OTHER CLASSES CAN BE TAKEN BOTH IN PERSON AND REMOTELY.

BLOCK2 THE LAW OF AI | 24 HOURS (3 ECTS)

AI AND LAW **ENFORCEMENT**

AI & INTELLECTUAL PROPERTY

09.02.2024



16.02.2024



PROFESSORS



VANESSA FRANSSEN Associate Professor ULiège Affiliated Senior Researcher KU Leuven Of Counsel Linklaters



FLORIAN JACQUES Researcher in TCT Law UNamur



THIBAULT SCHREPEL Associate Professor of Law VU Amsterdam & Faculty Affiliate Stanford



Associate Professor ULB and ULiège



PATRICIA CAPPUYNS Partner Taylor Wessing & Lecturer Brussels School of Governance

CONTENT

- Introduction: AI Compliance Tools and Applications
- > Detection tools
- > Prediction tools for facts
- > Prediction tools for legal outcomes
- > Automated adjudication tools
- > Execution tools
- > Conclusions
- > References

._____ TELLING CONTENT

- > What is IP right?
- > Trademarks
- > Patents
- > Copyrights
- > Design rights
- > What is AI?
- > Relevant concepts
- > Are AI creations protectable by IPRS?
- > Copyrights
- > Al generated works
- > Authorship
- > Patents
- > Patentability AI
- > Al Co-inventorship
- > Ethics and AI
- > To a new patent system
- > Processing, Mining (and Producing) Data in the EU: A Copyright Perspective
- > Data & Copyright
- > Data Processing
- > Data Mining
- > Data Production

11_cybersecurity

23.02.2024



PROFESSORS ---



RUBEN ROEX Privacy & Data protection Lawyer Time-lex

BART ASNOT Technical Specialist, Security & Compliance

Microsoft



RAFAEL GALVEZ Engineering for Privacy KULeuven



PEDRO DEMOLDER IP/IT and data protection lawye Time-lex

CONTENT

- > What is Cybersecurity?
- > AI & Cybersecurity: legal perspective
- > Case Study
- > Legal perspective
- > Legal impact of AI
- > AI as issue for GDPR compliance
- > AI in investigation and prosecution
- > AI in court: mind the gap
- > Al within Security and Microsoft's approach to security
- > Security built on intelligence
- > Technical perspective of Cybersecurity
- > Security & Privacy by Design

- > Cybersecurity & Al
- > AI as a tool to defend
- > AI as a vulnerable object
- > Encryption: hiding training data
- > Model integrity
- > Entity authentication
- > Phishing
- > Security is necessary for privacy
- > What is privacy for whom?
- > The theory of Contextual Integrity
- > Privacy & AI
- > Federated learning

12_ LABOUR MARKET & LABOUR LAW

01.03.2024



PROFESSORS



JEROEN FRANSSEN Senior Labor Market Expert Agoria



SIMON TAES PhD Researcher KU Leuven

TE CONTENT

- > Current state of the Belgian and European labor markets
- > Relevant competences in the context of AI
- > How can AI help solve challenges in labor markets?
- > Several applications of AI in workplaces
- > The rise of Industry 4.0.
- > Implications of AI for the employment of workers
- > Implications of AI for the labour markets
- > Legal and policy recommendations to avoid the "technological unemployment"
- > Quality aspects of labour
- > Consequences of AI for workers' health and safety
- > Right to privacy
- > Division of responsibility in the workplaces
- > Legal remedies in labour law
- > Required safeguards in labo

BLOCK3 AI IN PRACTICE | 21 HOURS (3 ECTS)

IMPLEMENTING AN AI PROJECT IN MY ORGANIZATION

14_ AI CONTRACTING

15.03.2024

22.03.2024



PROFESSORS



PROFESSORS



KEVIN FRANÇOISSE CEO & Co-Founder Sagacify



AMAURY BEECKMAN Senior Machine Learning Engineer at Sagacify



TIM VAN CANNEYT Partner, technology Fieldfisher



LOUIS VANDERDONCKT Associate, technology Fieldfisher

----- TI CONTENT

- > Identifying Complex Patterns in AI
- > Al Learning Concepts
- > AI models: training phase
- > AI models: inference phase
- > How does AI systems learn?
- > Supervised Machine Learning
- > Generative Network
- > Discover AI opportunities in Business
- > AI in Law Use case examples (Contract review automation, Litigation Prediction...)
- > Machine Learning development step
- > Data labialisation
- > The challenges of AI projects

----- TI CONTENT

This course focusses on the intersection of AI and IT contracting, and provides students with a thorough understanding of the contractual considerations that are at play when developing, procuring, implementing and/or deploying AI systems. The course equips participants with the knowledge and skills required to navigate the legal and practical considerations associated with contracting for AI projects.

- > The nature of AI technology development (characteristics and design methodology of AI technology versus conventional software development)
- > The complexity of the AI supply chain and foundation models from a contractual point of view
- > Unfair terms and 'take-it-or-leave-it' terms
- > Model contractual terms
- > Practical focus on key contract clauses for AI systems: IP, liability, data protection, governance, etc.

15_ AI APPLICATIONS FOR LAWYERS

29.03.2024

PROFESSORS



ERIK DE HERDT Manager Legal & Regulatory Affairs Eurofiber Belgium



Co-Founder and Legal Engineer Aeco Legal Tech



----- TE CONTENT

- > AI, big data & open data: challenges and opportunities
- > Drivers for increasing success AI
- > Expert Systems & AI applications in LegalTech
- > Machine Learning & Natural Language Processing
- > Ethics of Algorithms
- >Open legal data
- >Open case law
- > Legaltech in practice
- > Digital transformation
- > Tailor-made solutions for your company
- > Customized Business Applications
- > Document Analysis and review
- > Retrieving online information
- > Legal Inference Transformation Engine

16_CODING FOR LAWYERS

05.04.2024





TOON CALDERS Professor of Computer Science Universiteit Antwerpen

T≣ CONTENT

During the lecture you will learn the basic principles of coding:

- > Sequence of instructions
- > Loops and repetitions
- > Conditional execution
- > Variables

You will learn these constructions while step by step implementing an algorithm to escape from any maze.

- > Exercises on writing small programs.
- > Functions as a tool for abstraction
- > Manually build a classification system

The lecture will be wrapped up by connecting the new insights you gained into programming and with AI applications such as text classification.



LIVE STREAM CLASSES -

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BLOCK3 AI IN PRACTICE | 21 HOURS (3 ECTS)

17_BEYOND AI: BLOCKCHAIN AND DIGITAL CURRENCIES

18_SMART CONTRACTS

12.04.2024

19.04.2024



PROFESSORS



DOBBELAERE IP/IT/Data Protection &

Privacy Lawyer



PROFESSORS

DUBOIS Managing Director Cryptodevise



DOBBELAERE IP/IT/Data Protection & Privacy Lawyer



DUBOIS Managing Director Cryptodevise



PART 1

- > Blockchain History
- > What's a Blockchain?
- > Where does it comes from?
- > How does a Blockchain works?
- > Blockchain transaction
- > Blockchain Principles
- > Blockchain Concepts
- > Paying with cryptocurrencies
- > Using Bitcoin
- > Hard wallet
- > Blockchain projects

_____ CONTENT _____

_____ TE CONTENT _____

- > Building our own cryptocurrency with a smart contract
- > Ethereum platform and smarts contracts
- > Introduction on Smart Contracts
- > What are Smart Contracts?
- > Pros and Cons
- > Smart Contracts in different domains
- > Legal Smart Contracts
- > The Future

PART 2

- > Exploring some blockchain concepts
 - Crypto-assets: NFTs
 - Smart Contracts
- > Blockchain and law
 - NFTs and legal implications
 - Liability
 - Blockchain and Data Protection
- > Blockchain regulation

VERTICAL BLOCK4 APPROACH

ECONOMIC REGULATION AND COMPETITION POLICY IN THE METAVERSE

26.04.2024



PROFESSORS



Professor of Competition Law European University Institute



THIBAULT SCHREPEL Associate Professor of Law VU Amsterdam & Faculty Affiliate Stanford



Digital Law and Data Protection Lawyer Stibbe

TE CONTENT

- > Description of the 'Metaverse': Essential Components, Modalities
- > History
- > Key technologies and concepts
- > Interoperability issues in the Metaverse
- > Web3 and its competitive dynamics
- > Enforcement new regulation around Healthcare, Online identity...
- > Legal Framework: GDPR, DSA, DMA, Intellectual Rights, Competition Law, International Private Law, Contracts
- >Technical Stakes: Cybersecurity, Access, Metaverse Competition Agency
- > Ethical and Societal Stakes: Online Harassment, Fake News, Eco-Transition, Radicalization

$20_{\,{}_{\scriptstyle{-}\,{}_{\scriptstyle{\mathsf{MOBILITY}\,\mathsf{AND}\,\mathsf{AI}}}}$

17.05.2024



PROFESSORS



FLORIAN JACQUES Researcher in ICT Law at UNamur



NADINE ZURKINDEN Researcher University of Zurich

TE CONTENT ______

- > Introduction to Smart Mobility
- > Artificial Intelligence in the automotive sector
- > Analysing the impact of algorithms in the automotive industry and on insurance company
- > EU Regulatory approach to AI: Critical issues for our industry
 - Commission's White Paper on Al
 - European Parliament Draft Reports on AI related aspects
- > Conclusion



LIVE STREAM CLASSES -

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BLOCK4 INDUSTRY, SECTORS AND PROFESSIONS

HEALTHCARE AND LIFE SCIENCES

22 FINANCE AND AI

24.05.2024

PROFESSORS

31.05.2024



PROFESSORS PROFESSORS



ROMATN **ALDERWEIRELDT** Senior Associate CMS



GTOVANNT **BRIGANTI** Associate Professor of Artificial Intelligence in Health University of Mons



AI FXANDER **FRIMOUT** Business Development Faktion



FEYS IP, IT and Data Protection Lawyer AContrario



THTBAULT HELLEPUTTE CEO **DNAlytics**



CASPER **RUTJES** Chief Technology Officer Amsterdam Data Collective

____ TI CONTENT _____

- > AI in Healthcare : principles, applications (augmented medicine), challenges and future directions
- > Identifying health issues through the analysis of digital data
- > Analysing medical images
- > Analysing genomics in the context of the advent of personalized medicine
- > Ethics in data
- > AI use cases in healthcare

_____ TELLING CONTENT

- > General introduction: Al as a Technology
- > Machine Learning Landscape
- > What has changed?
- > Three types of Machine Learning
- > General Legal & Ethical principles & considerations
- > Trustworthy AI
- > Al Adoption in Finance: Where are we today?
- > Use Cases:
- > Al Powered Predictive Analytics
- > Hyper-personalization
- > Intelligent Process Optimizations (Back-Office)
- > How and where should FSI's start? Tips, Tricks and advice on how to start with AI

15 HOURS (2 ECTS)

23 STANDARDIZATION AND AI

07.06.2024



PROFESSORS



JELLE HOEDEMAEKER Expert in Regulation and Standardization Agoria

TE CONTENT _____

This comprehensive course is designed to provide you with a solid understanding of the crucial role that standardisation plays in the AI landscape.

During this course we will address these topics:

- > General introduction to Standardisation
 - Origins
 - Standards development organisations
 - Processes
 - Participation modes
- > Standardisation of Al
 - International
 - European
- > Standardisation policy & strategy
 - The new legislative framework
 - EU standardisation strategy
- > The link between the AI Act and Standardisation
 - Standardisation request
- > Interactive exercises



LIVE STREAM CLASSES -

CLASSES MARKED WITH A ZOOM LOGO WILL BE EXCLUSIVELY GIVEN ONLINE. ALL OTHER CLASSES CAN BE TAKEN BOTH IN PERSON AND REMOTELY

Dates and format are subjected to change due to unforeseen events. Any changes will be communicated to students by email.

24_LEGAL SERVICES

14.06.2024



PROFESSORS



ARTHUR DYFVRF Associate Professor KUI euven



MAXIME EVRARD Assistant in administrative law University of Hasselt



GREGORY LEWKOWICZ Professor University of Brussels



JULIE DUTORDOIR Director General

__ TI CONTENT ____

- > AI modernising the legal profession
- > Crucial challenges for legal services and Legal professions
- > The need for a strategic vision of lawyering
- > Lawyers need Strategic Analysis
- > AI and (more globally) Tech as a challenge and a solution for lawyers
- > How does Tech change lawyers' tasks?
- > Changing the way lawyers work
- > Legal Talent Management
- > The European context of LegalTech
- > Pseudonymisation, anonymisation and differential privacy
- > Online publication of machine-readable court records: a milestone in the transformation of the law
- > Al and negotiation/mediation
- > Al and arbitration
- > AI through the eyes of a company lawyer



GENERAL CONTACT

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VENUE

The course will take place on the premises of **BluePoint Brussels** 80 Bd A. Reyers, 1030 Brussels

More information about our location:

www.bsc-brussels.eu

The Brussels School of Competition does not provide accommodation services. Relevant information may be found on the website of the City of Brussels:

www.brussels.info

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WHAT THEY SAY ABOUT US?

'THE PROGRAM ALLOWS PARTICIPANTS TO GET A
REAL 360 VIEW ON ALL LEGAL AND ETHICAL QUESTIONS
ARTIFICIAL INTELLIGENCE RAISES. THE FACULTY IS VERY
DIVERSE WITH EXPERTS FROM DIFFERENT FIELDS
SHEDDING LIGHT ON THE CURRENT AND UPCOMING
CHANGES IN AI AND AI REGULATION. I REALLY ENJOYED THE
VARIETY OF THE CONTENT, THE ABILITY TO DEEPDIVE IN
THE TECHNICAL ASPECTS OF AI (IN ADDITION TO THE LEGAL
ASPECTS!) AND TO GET A GOOD UNDERSTANDING OF THE
NEWLY DEVELOPING REGULATORY FRAMEWORK OF AI.'

ANNELEEN STRAETEMANS AB Inbev

'The diversity of the teaching profiles is a real asset of this program (lawyers, engineers, academics, people from the industry...). Passionate and exciting professors with a technical and legal view on a subject that is still in its infancy. In addition, the BSC offers a program adapted to those who work with an exam formula that encourages deepening of the subject and critical thinking. I have enjoyed taking this program and I highly recommend it!'

LAURENCE VAN MEERHAEGHE Febelfio

'This program addresses all essential legal and ethical aspects of AI but goes even beyond these aspects and provides a great range of diverse perspectives from the mere technical to the high level political and economical developments of AI. Professors are impressive experts and passionate about their subject, especially as this legal area is still "in the make", creating many controversies and challenging opinions depending on your perspective. The program encourages you to think in an innovative, diverse and critical manner to how our future should look like and how to develop the right and appropriate legal and ethical framework to make sure AI remains an extraordinary asset for our future while managing all potential risks! I would definitely recommend this program to all

would definitely recommend this program to al lawyers eager to remain up to date in terms of what our future world might look like'

LAURENCE EINSWEILER
Pfizer

GREAT SPEAKERS WITH RELEVANT EXPERIENCE IN DIFFERENT FIELDS OF LAW (IP, PRIVACY&DATA PROTECTION,...) AND VARIOUS DOMAINS RELEVANT TO AI (DATA SCIENCE, ENGINEERING, ...), COMBINED WITH INTERACTIVE COURSES MAKE THIS DIVERSE AND CHALLENGING PROGRAM ON AI OFFERED BY BSC A HIGHLY RECOMMENDED ONE!

JEAN-JACQUES DERÈZE







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