



BRUSSELS
SCHOOL OF
**ARTIFICIAL
INTELLIGENCE**

VBO FEB

Verbond van Belgische Ondernemingen
Fédération des Entreprises de Belgique



EXECUTIVE MASTER IN LAW & AI

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

BLOCK 1 AI FUNDAMENTALS

1_ETHICS AND AI 10

24.11.2023 | N. SMUHA, L. NAUDTS

2_INITIATION TO 10

ALGORITHM DESIGN

01.12.2023 | R. SIEBERATH

3_FIRST DIVE IN LAW & AI 11

08.12.2023 | A. ITTOO, G. SARTOR

4_PUBLIC POLICY AND 11

REGULATION AROUND THE WORLD

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

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 13

AND CONSUMER PROTECTION

02.02.2024 | F. BOSTOEN, T. GRAF,
A. JABLONOWSKA

9_AI & LAW ENFORCEMENT 14

09.02.2024 | V. FRANSSSEN, 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. FRANSSSEN, S. TAES

BLOCK 3 AI 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

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

BLOCK 4 VERTICAL APPROACH: INDUSTRY, SECTORS AND PROFESSIONS

20_MOBILITY AND AI 19

17.05.2024 | F. JACQUES, N. ZURKINDEN

21_HEALTHCARE AND LIFE SCIENCES 20

24.05.2024 | R. ALDERWEIRELDT,
G. BRIGANTI, T. HELLEPUTTE

22_FINANCE AND AI 20

31.05.2024 | A. FRIMOUT, M. FEYS, C. RUTJES

23_STANDARDIZATION AND AI 21

07.06.2024 | J. HOEDEMAEKERS

24_LEGAL SERVICES 21

14.06.2024 | M. EVRARD, G. LEWKOWICZ,
J. DUTORDOIR, A. DYEVE



FULL ONLINE
PROGRAMME AVAILABLE

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 AI. 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 AI'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 REQUIREMENTS

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.**



ORGANISATION

TIMETABLE

The Executive Master in Law & AI 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

A. Be enrolled for the **full programme** (24 modules)

B. Earn a **grade** of at least 10/20 for the **block 1 exam** and **block 2 exam**

C. Earn a **grade** of at least 10/20 for their end-of-year work

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

1 _ 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.).

2 _ 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 forms.

- 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.

4 _ 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)

1_ ETHICS AND AI

24.11.2023



PROFESSORS



NATHALIE SMUHA
Lawyer & Researcher
KU Leuven



LAURENS NAUDTS
Affiliated Senior Researcher
KU Leuven



CONTENT

- AI Ethics: an Introduction
- Ethics 101: Why are we talking about Ethics?
- Main ethical theories
- Ethical relativism?
- Ethics of AI
- Disambiguation: Ethics of AI / Machine Ethics
- Ethics and the Law
- Challenges to govern "AI"
- From Ethics to Policy and Law
- An STS approach to AI Ethics
- AI 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

2_ INITIATION TO ALGORITHM DESIGN

01.12.2023



PROFESSORS



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



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

3_ FIRST DIVE IN LAW & AI

08.12.2023



PROFESSORS



ASHWIN ITTOO

Professor of Information
Systems/Business Analytics
HEC ULiege



GIOVANNI SARTOR

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



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 AI 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?

4_ PUBLIC POLICY AND REGULATION AROUND THE WORLD

15.12.2023



PROFESSORS



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



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.

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

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

5_ EU REGULATION: THE AI ACT

12.01.2024



PROFESSORS



BJOERN JURETZKI

Head of Unit
"Data Policy and
Innovation"



JEAN-MARC LECLERC

Head of EU Policy
IBM



MARCO ALMADA

Researcher
European University
Institute



CONTENT

- › Definitions and technological scope of the regulation
- › AI 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

6_ LIABILITY

19.01.2024



PROFESSORS



ANDREA BERTOLINI

Assistant
Professor of Law
Scuola Superiore
Sant'Anna



MARK BEAMISH

Legal Officer
European Commission



JAN DE BRUYNE

Research Expert &
Postdoctoral researcher
at the Centre for IT &
IP Law



CONTENT

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

7_ DATA PROTECTION

26.01.2024



PROFESSORS



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



ANNA COLAPS
Member of Cabinet
EDPS



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

8_ COMPETITION AND CONSUMER PROTECTION

02.02.2024



PROFESSORS



FRISO BOSTOËN
Max Weber Fellow
European
University Institute



THOMAS GRAF
Partner
Cleary Gottlieb
LLP



AGNIESZKA JABLONOWSKA
Legal researcher
Leiden University



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.

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

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

9_ AI AND LAW ENFORCEMENT

09.02.2024



PROFESSORS



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



FLORIAN JACQUES
Researcher in
ICT Law
UNamur



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



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

10_ AI & INTELLECTUAL PROPERTY

16.02.2024



PROFESSORS



JULIEN CABAY
Associate Professor
ULB and ULiège



PATRICIA CAPPUYNS
Partner Taylor Wessing
& Lecturer
Brussels School
of Governance



CONTENT

- What is IP right?
- Trademarks
- Patents
- Copyrights
- Design rights
- What is AI?
- Relevant concepts
- Are AI creations protectable by IPRS?
- Copyrights
- AI generated works
- Authorship
- Patents
- Patentability AI
- AI 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 lawyer
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
- › AI within Security and Microsoft's approach to security
- › Security built on intelligence
- › Technical perspective of Cybersecurity
- › Security & Privacy by Design
- › Cybersecurity & AI
- › 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 FRANSSSEN

Senior Labor Market Expert
Agoria



SIMON TAES

PhD Researcher
KU Leuven



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)

13_ IMPLEMENTING AN AI PROJECT IN MY ORGANIZATION

15.03.2024



PROFESSORS



KEVIN FRANÇOISSE
CEO & Co-Founder
Sagacify



AMAURY BEECKMAN
Senior Machine Learning
Engineer at Sagacify



CONTENT

- › Identifying Complex Patterns in AI
- › AI 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

14_ AI CONTRACTING

22.03.2024



PROFESSORS



TIM VAN CANNEYT
Partner, technology
Fieldfisher



LOUIS VANDERDONCKT
Associate, technology
Fieldfisher



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



THOMAS AERTGEERTS
Co-Founder and
Legal Engineer
Aeco Legal Tech



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



PROFESSORS



TOON CALDERS
Professor of Computer Science
Universiteit Antwerpen



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

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.

BLOCK3 AI IN PRACTICE | 21 HOURS (3 ECTS)

17_ BEYOND AI: BLOCKCHAIN AND DIGITAL CURRENCIES

12.04.2024



PROFESSORS



DEVEN
DOBBELAERE

IP/IT/Data Protection &
Privacy Lawyer
CMS



FLORENT
DUBOIS

Managing Director
Cryptodevise



CONTENT

PART 1

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

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

18_ SMART CONTRACTS

19.04.2024



PROFESSORS



DEVEN
DOBBELAERE

IP/IT/Data Protection &
Privacy Lawyer
CMS



FLORENT
DUBOIS

Managing Director
Cryptodevise



CONTENT

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

19_ ECONOMIC REGULATION AND COMPETITION POLICY IN THE METAVERSE

26.04.2024



PROFESSORS



NICOLAS PETIT
Professor of
Competition Law
European University
Institute



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



CYRIL FISCHER
Digital Law and Data
Protection Lawyer
Stibbe



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

VERTICAL BLOCK4 APPROACH

20_ MOBILITY AND AI

17.05.2024



PROFESSORS



FLORIAN JACQUES
Researcher in ICT
Law at UNamur



NADINE ZURKINDEN
Researcher
University of Zurich



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 AI
 - European Parliament Draft Reports on AI related aspects
- › Conclusion



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.

BLOCK4 INDUSTRY, SECTORS AND PROFESSIONS

21_ HEALTHCARE AND LIFE SCIENCES

24.05.2024



PROFESSORS



**ROMAIN
ALDERWEIRELDT**
Senior Associate
CMS



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



**THIBAUT
HELLEPUTTE**
CEO
DNAlytics



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

22_ FINANCE AND AI

31.05.2024



PROFESSORS



**ALEXANDER
FRIMOUT**
Business Development
Faktion



**MAGALI
FEYS**
IP, IT and Data
Protection Lawyer AContrario



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



CONTENT

- General introduction: AI as a Technology
- Machine Learning Landscape
- What has changed?
- Three types of Machine Learning
- General Legal & Ethical principles & considerations
- Trustworthy AI
- AI Adoption in Finance: Where are we today?
- Use Cases:
- AI 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



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 AI
 - 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 DYEURE

Associate Professor
KULeuven



MAXIME EVRARD

Assistant in administrative law
University of Hasselt



GREGORY LEWKOWICZ

Professor
University of Brussels



JULIE DUTORDOIR

Director General
IBJ



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
- AI and negotiation/mediation
- AI and arbitration
- AI through the eyes of a company lawyer



CONTACT US

GENERAL CONTACT

Brussels School of Competition Foundation
Rue des Sols 8 | B-1000 Brussels
Visitors: FEB, Rue Ravenstein 4 | B-1000 Brussels
✉ info@bsc.brussels
☎ +32 (0)2 515 09 83

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

BOARD OF THE BSC



THOMAS NGUYEN
Manager of the BSC



thomas.nguyen@bsc.brussels



CHARLES GHEUR
CEO of the BSC Advisor
for Minister-President
of the FWB



charles.ghour@bsc.brussels



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



nicolas.petit@eui.eu



PHILIPPE LAMBRECHT
President of the BSC
Special Advisor VBO FEB



pl@vbo-feb.be





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 DEEPLY 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 MEERHAECHT
Febelfin

'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 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
UZ LEUVEN





 [brussels-school-of-competition](#)

 [BrusselsSchoolOfComp](#)

 [www.facebook.com/brusselsschoolofcompetition](#)

 [www.bsc-brussels.eu/competition-law](#)

