



# INTERNATIONAL SCHOOL ON ARTIFICIAL INTELLIGENCE TECHNOLOGY AND LAW

## 2<sup>nd</sup> Course: AI TECHNOLOGY AND LAW

ERICE-SICILY: 1 – 6 SEPTEMBER 2026

Sponsored by the: Italian Ministry of Education, University and Scientific Research • National Institute for Nuclear Physics (INFN) • Sicilian Regional Government

### PROGRAMME AND LECTURERS

#### *AI in smart cities; AI for sustainable infrastructure*

- S. AL SANAD, KISR - Kuwait Institute for Scientific Research, Shuwaikh, Kuwait, KW

#### *AI for cyber resilience, cyber deterrence and cyber readiness. Best practice and workaround to prevent security incidents for enterprise, critical infrastructure and governments*

- M. BRACCIOLO, Cybersecurity ICSA Foundation, Rome, IT

#### *How modern AI protocols are transforming biomedical research: From the laboratory bench to the bedside*

- E. BURATTI, Molecular Pathology Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, IT, Cape Town, ZA, New Delhi, IN

#### *Artificial Intelligence and the principle of non-discrimination*

- G. CARAPEZZA FIGLIA, Law Department at LUMSA University, Rome, IT

#### *Artificial intelligence for materials science and technology*

- G. CICALA, Material Science and Technology, University of Catania, IT

#### *AI ethical and social implications*

- G. MIEKE DE KETELAERE, Sustainable, Ethical and Trustworthy AI, Vlerick Business School, Bruxelles, BE

#### *From privacy to AI governance: Building resilient and responsible frameworks for the future*

- U. DELLRUD, Privacy and Data Ethics, NED, ISACA Belgium, AI Governance Advisory Board, IAPP, European Data Protection Board, NY-Bar, Bruxelles, BE

#### *AI tools challenge for business administration*

- R. DI PIETRA, Siena University, Siena IT

#### *International regulations and law. Emerging tech law and governance*

- P. DUGGAL, Supreme Court of India, Chairman, International Commission on Cyber Security Law, New Delhi, IN

#### *Artificial Intelligence applications in agriculture*

- P. GAY, Department of Agricultural Forestry and Food Sciences, University of Turin, IT

#### *AI tools example and applications with ethical and social implications*

- S. GREENMAN, Best Practice AI, World Economic Forum Global AI Council, Harvard Business School Alumni Angels, London, UK

#### *Anthropological limits, challenges and risks of transhumanism. The Christian approach*

- C. KENANIDIS, General Office of the Orthodox Church in EU-Parliament, Bruxelles, BE

#### *Basic development from physics to AI: The flow of OECD regulations and recommendations on AI, and how they have been implemented on Korean acts and regulations*

- S.K. OH, Konkuk University, Seoul, KR

#### *Historical developments of AI*

- A. LEHMANN, Institut für Technische Informatik und Institut für Technik Intelligenter Systeme (ITIS) Universität der Bundeswehr München, DE

#### *AI in international relations and diplomacy*

- E. LUDOVICO, Major Arm and Geopolitics advisor, Rome, IT

#### *From predictive policing to predictive justice: Algorithmic bias, due process and comparative criminal procedure in Euro-Mediterranean systems*

- D. MAINENTI, Comparative Criminal Procedural Law, Catholic University of the Sacred Heart, Rome, IT

#### *Complexity of legislation - processes, legislative changes, updating, codification - and AI*

- S. MAZZITELLI, Editor LexisNexis, Observatoire de Légistique, Paris, FR

#### *AI in finance and digital innovations. Challenges for public finance*

- F. MEDDA, Institute of Finance and Technology, UCL, University College London, London, UK

#### *Artificial Intelligence. From the biomedical research to healthcare application*

- P.P.M. MENCHETTI, EU Commission/EMA Chairman Thematic Panel; CSAIA Association, Rome, IT

#### *Advanced AI genetic application*

- G. NOVELLI, Dept. Genetics and Biotech in Medicine, Tor Vergata University, Rome, IT

#### *Data protection, intellectual property and liability in the age of generative AI: EU and comparative perspectives*

- S. OCCHIPINTI, LUISS Alumni 4 Growth, LUISS University, Rome, IT

#### *AI as a tool of peace, declinations and insights of the instrument*

- D. PULCINI, University for Peace – United Nations Mandated – United Nations, Rome, IT

#### *Patent and liability issues for AI: Challenge for ethical and social implication*

- A. POULIOU, Maastricht University, Faculty of Law, European Centre of Privacy and Cybersecurity; Data Protection Commission, CERN, Geneva, CH

#### *Legal Aspects of Cloud Computing in Light of the New Regulations Governing Digital Service Contracts*

- R. SCOTTI, Private Law and Energy and Sustainable Development Law – University of Naples Federico II, Naples, IT

#### *Major domains: AI application in Italian Administrative Justice*

- D.F. SIVILLI, IT Council of State (Main Italy Office for Administrative Justice), Rome, IT

#### *AI in Finance: Practical applications, risks, and opportunities: Central Banks and Supervisory Authorities on AI: From internal SupTech adoption to the oversight of AI use by regulated entities*

- A. VIVOLI, Central Bank of San Marino Republic, San Marino, SM

### PURPOSE OF THE COURSE

In consideration of the tremendous dissemination of innovative AI developments and applications in recent years with their extreme influence on our private, business and public life, the purpose of the school is to provide young researchers an opportunity to learn the relevance of technological innovations on AI. The courses will convey the technological benefits and risks for various kinds of application domains, as well as considers status quo regarding social behaviour, ethical and legal rules and further requirements. Attendees will have a unique opportunity to learn from and discuss with international experts.

The name artificial intelligence was established at a workshop held, in 1956 at Dartmouth College, USA, with great expectations that machines could be developed as intelligent as humans. But due to overestimated expectations, research funding was two times significantly reduced, first time in mid 1970s and again in the late 1980s. But with the permanently increasing performance of computing, sensor, communication and storage devices and of data in the early 2000s, machine learning and deep learning concepts had been developed that could be successfully applied for multiple purposes in almost all domains. The latest revolutionary breakthrough for AI capabilities started in the early 2020s with the development of generative AI algorithms and tools. Presentations will cover these developments, their benefits as well as generate awareness of rising new opportunities as well as risks. Hands on tools will provide the attendees opportunities to use, learn and better understand capabilities and challenges of applying AI methods and AI tools.

But along with tremendous benefits of successful application of these AI technologies, side effects and risks for public, business and private life are permanently rising, often underestimated or even neglected. Therefore, adequate ethical and social behaviour requires the introduction of codes of conduct, a global legal framework to avoid misbehaviour and to counteract misuse, fraud and criminal activities. Major challenges are to accomplish awareness, worldwide behavioural and legal agreements and to keep pace with rapid developments and applications of AI. In that sense, presentations will cover worldwide status quo regarding rules of behaviour, governance and legal regulations, as well as ethical and social implications

### PLEASE NOTE

Participants must arrive in Erice no later than 7 p.m. on 1 September 2026.

More information about the other activities of the  
«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE  
can be found on the WWW at the following address:  
<https://ettoremajoranafoundation.it>

### POETIC TOUCH

According to legend, Erice, son of Venus and Neptune, founded a small town on top of a mountain (750 metres above sea level) more than three thousand years ago. The founder of modern history — i.e. the recording of events in a methodic and chronological sequence as they really happened without reference to mythical causes — the great Thucydides (~500 B.C.), writing about events connected with the conquest of Troy (1183 B.C.) said: «After the fall of Troy some Trojans on their escape from the Achaes arrived in Sicily by boat and as they settled near the border with the Sicilians all together they were named Elymi: their towns were Segesta and Erice.» This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchise, by his son Enea, on the coast below Erice. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others have celebrated this magnificent spot in Sicily in their poems. During seven centuries (XIII-XIX) the town of Erice was under the leadership of a local oligarchy, whose wisdom assured a long period of cultural development and economic prosperity which in turn gave rise to the many churches, monasteries and private palaces which you see today. In Erice you can admire the Castle of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is at present a mixture of ancient and medieval architecture. Other masterpieces of ancient civilization are to be found in the neighbourhood: at Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek). On the Aegadian Islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — suggestive neolithic and paleolithic vestiges are still visible: the grottoes of Favignana, the carvings and murals of Levanzo.

Splendid beaches are to be found at San Vito Lo Capo, Scopello, and Cornino, and a wild and rocky coast around Monte Cofano: all at less than one hour's drive from Erice.

### APPLICATIONS

Persons wishing to attend the Course should apply in writing to the Directors of the School:

Dr. Pavan Duggal, email: [pavanduggal6@gmail.com](mailto:pavanduggal6@gmail.com)  
Professor Axel Lehmann, email: [Axel.Lehmann@unibw.de](mailto:Axel.Lehmann@unibw.de)  
Professor Pier Paolo Maria Menchetti, email: [pmenchetti@gmail.com](mailto:pmenchetti@gmail.com)

Please include the following information in your application: i) Full name(s), age, gender, citizenship; ii) Postal address, phone, electronic mail; iii) Your present position and scientific interests; iv) The title or abstract of a scientific contribution to the poster session(s) which might be included in the programme.