

# Programme

Conference on Applications of Artificial Intelligence in Forensics

The conference programme is as follows.

## **09:30** Participants' check-in

Speakers and registered attendees check in at the registration desk and receive their welcome kit

## **10:00** Welcome by the conference chair

**Giovanna Parmigiani**

Research fellow in Forensic Psychiatry

Department of Human Neuroscience

Sapienza University of Rome, Italy

## **Artificial Intelligence and the legal system**

### **Chairperson**

**Stefano Ferracuti**

Professor in Forensic Psychopathology

## **10:10 Risk-based approach: a comparative perspective between GDPR and the EU proposal for a regulation on Artificial Intelligence**

**Alessandro Del Ninno**

Professor in Information Technology Law and Teleworking Law  
Department of Law  
LUISS University "Guido Carli", Rome, Italy

## **10:30 Guilt, punishment, dangerousness: the criminal law tested by artificial intelligence**

**Fabio Basile**

Professor in Criminal Law  
Law Department "C. Beccaria"  
University of Milan, Italy

## **10:50 Free conviction of the judge vs algorithm determinism. The judicial dilemma of contemporaneity**

**Luca D'Auria**

Professor in Law  
San Raffaele University, Milan, Italy

## **11:10 Perspectives and misunderstandings in quantitative legal prediction**

**Amedeo Santosuosso**

Professor in Law, Science and New Technologies

Department of Law

University of Pavia, Italy

## **11:30 Discussion**

## **11:40 Coffee break**

Served in the hall foyer

# **Predictive justice**

## **Chairperson**

**Alessandro Del Ninno**

Professor in Information Technology Law and Teleworking Law

Department of Law

LUISS University "Guido Carli", Rome, Italy

## **12:10 Artificial Intelligence and Neuroscience in algorithmic forensic risk assessment: possibilities and challenges**

**Leda Tortora**

Marie Sklodowska-Curie Early Stage Researcher

Trinity College Dublin, Ireland

## **12:30 Coherencies, incoherencies and risks in the proposed AI Act**

**Giovanni Comandé**

Professor in Private Comparative Law  
Institute of Law, Politics and Development  
Scuola Superiore S. Anna, Pisa, Italy

## **12:50 Legal profession and Artificial Intelligence: opportunities and challenges**

**Riccardo Borsari**

Professor in Criminal Law  
Department of Public, International and Community Law  
University of Padua, Italy

## **13:10 Artificial Intelligence to support non-pecuniary losses compensation**

**Denise Amram**

Assistant Professor in Law  
Institute of Law, Politics and Development  
Scuola Superiore S. Anna, Pisa, Italy

## **13:30 Discussion**

## **13:40 Lunch**

Served in the hall foyer

## **Future trends**

### **Chairpersons**

#### **Paolo Roma**

Professor in Clinical Psychology  
Department of Human Neuroscience  
Sapienza University of Rome, Italy

#### **Giuseppe Sartori**

Professor in Neuropsychology, Neuroscience, Cognitive Neuroscience  
Department of General Psychology  
University of Padua, Italy

### **14:40 Machine learning and neuroimaging data: potential translational application to the forensic setting**

#### **Cristina Scarpazza**

Assistant Professor in Neuroscience  
Department of General Psychology  
University of Padua, Italy

### **15:00 Responsible use of neurotechnology in criminal justice**

#### **Gerben Meynen**

Professor in Forensic Psychiatry  
Willem Pompe Institute for Criminal Law and Criminology, Utrecht  
University, The Netherlands  
Professor in Ethics  
Faculty of Humanities, Moral and Political Philosophy, Vrije University,  
Amsterdam, The Netherlands

## **15:20 Side and Covert Channels: the Dr. Jekyll and Mr. Hyde of Modern Technologies**

**Mauro Conti**

Professor in Computer Science  
Department of Mathematics  
University of Padua, Italy

## **15:40 Forensic psychiatrists' decision making in assessing social dangerousness. A machine learning approach**

**Giovanna Parmigiani**

Research fellow in Forensic Psychiatry  
Department of Human Neuroscience  
Sapienza University of Rome, Italy

## **16:00 The Malicious use of Artificial Intelligence (MUAI) and radicalisation in the cyber-social ecosystem**

**Arije Antinori**

Professor in Criminology and Sociology of Deviance  
Department of Communication and Social Research  
Sapienza University of Rome, Italy

## **16:20 Discussion**

## **16:30 Coffee break**

Served in the hall foyer

# **Malingering and manipulation in forensics**

## **Chairperson**

**Gabriele Mandarelli**

Assistant professor in Forensic Medicine

Interdisciplinary Department of Medicine

Section of Criminology and Forensic Psychiatry

University of Bari "Aldo Moro", Italy

## **17:00 Bayesian Belief Networks and reasoning in forensic science**

**Giuseppe Sartori**

Professor in Neuropsychology, Neuroscience, Cognitive Neuroscience

Department of General Psychology

University of Padua, Italy

## **17:20 Detecting feigned depression in response patterns on the BDI-II and SIMS affective disorders scale**

**Paolo Roma**

Professor in Clinical Psychology

Department of Human Neuroscience

Sapienza University of Rome, Italy

## **17:40 Detecting socially desirable responses in personality assessment**

**Cristina Mazza**

Ph.D. Student

Department of Neuroscience, Imaging and Clinical Sciences

University "G. D'Annunzio", Chieti-Pescara, Italy

## **18:00 Detecting deception through facial expressions. A comparison between human judges and machine learning models**

**Merylin Monaro**

Ph.D. Student in Brain, Mind and Computer Science

Department of General Psychology

University of Padua, Italy

## **18:20 Discussion**

# **Panel session**

## **Chairperson**

**Giovanna Parmigiani**

Research fellow in Forensic Psychiatry

Department of Human Neuroscience

Sapienza University of Rome, Italy



## **18:30 Current limitations and next challenges in the application of AI to forensics**

### **Arije Antinori**

Professor in Criminology and Sociology of Deviance  
Department of Communication and Social Research  
Sapienza University of Rome, Italy

### **Alessandro Del Ninno**

Professor in Information Technology Law and Teleworking Law  
Department of Law  
LUISS University "Guido Carli", Rome, Italy

### **Stefano Ferracuti**

Professor in Forensic Psychopathology  
Department of Human Neuroscience  
Sapienza University of Rome, Italy

### **Gabriele Mandarelli**

Assistant professor in Forensic Medicine  
Interdisciplinary Department of Medicine  
Section of Criminology and Forensic Psychiatry  
University of Bari "Aldo Moro", Italy

### **Paolo Roma**

Professor in Clinical Psychology  
Department of Human Neuroscience  
Sapienza University of Rome, Italy

## **19:15 Conclusions**



### **Giovanna Parmigiani**

Research fellow in Forensic Psychiatry  
Department of Human Neuroscience  
Sapienza University of Rome, Italy

# 19:25 End of conference

---

The Conference on Applications of Artificial Intelligence in Forensics is organised by Department of Human Neuroscience, Sapienza University of Rome, Italy (<https://web.uniroma1.it/neuroscienze/en>)

[  [english \(programme.php?language=en\)](#) |  [italiano \(programme.php?language=it\)](#) ]