



Mihai MITREA

Full Professor

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Vice-president of the Digital Content Commission of the CapDigital Competitiveness Cluster

Advisor for the French delegation at ISO/IEC JTC1/SC29 (aka MPEG, JPEG)

Co-chairman of the ISO/IEC JTC1/SC29 WG7 AhG on Internet of Media Things

Co-chairman of the ISO/IEC JTC1/SC29 WG3 AhG on MPEG User Description

Associated Editor for Signal Processing: Image Communication

ACADEMIC DEGREES

- June 2010** **Habilitation à Diriger des Recherches, from Université Pierre et Marie Curie (Paris, France)**
Natural information sources: from mathematical modelling to multimedia applications
- April 2003** **PhD, from POLITEHNICA University (Bucharest, Romania)**
Contributions to information theory research field (under the supervision of Prof. Alexandru Spataru and Prof. Adriana Vlad)
- June 1997** **MS, from POLITEHNICA University (Bucharest, Romania)**
- June 1996** **Engineering, from POLITEHNICA University (Bucharest, Romania)**

PROFESSIONAL BACKGROUND

Telecom SudParis, ARTEMIS Department

Since 2024 **Full Professor**

2006-2024 **Associate Professor**

2009-2017, member of UMR CNRS 8145 MAP5 (Université Paris Descartes)

since 2017, member of UMR CNRS 5157 SAMOVAR (Télécom SudParis)

2005-2006 **R&D Project Manager**

POLITEHNICA University of Bucharest, Faculty of Electronics and Telecommunications

1997-2004 **Assistant Professor then Lecturer**

WORKING EXPERIENCE

Research:

- Research studies on *Digital content sciences*: (1) mathematical modelling of the natural information sources; (2) digital content enrichment; (3) digital content exchange, interaction and visualisation
- Scientific and management contributions for more than 30 collaborative EU, French and industrial research projects
- Scientific and technical contributions for ISO-MPEG standardization (content protection, collaborative multimedia scenes, user description, media-centric wearable devices & IoT)
- Scientific and technical contribution for MPAI and IEEE standardization efforts on Neural Network Watermarking

Teaching:

- **Telecom SudParis**
 - Coordinator of the *HighTech Imaging* major (graduating level), since 2010
 - Coordinator and main contributor to 2 tracks related to multimedia processing and protection (graduating and under-graduating levels), since 2006
 - Coordinator of the track on Societal Responsibility (graduating level), since 2022
- **Institut Polytechnique de Paris**
 - Coordinator (together with Sahar Hoteit, UP Saclay, since 2020) of the Multimedia Networking research master; Coordinator to 2 tracks related to multimedia protection and tracking

- Coordinator of a track on virtual collaborative environments in the *Virtual and Augmented Reality* research master
- *Université Sorbonne Paris Nord*
 - Contributor to the research master *Image et Réseaux* in the field of visual content protection

Standardization activities:

- *Within MPEG (known as ISO/IEC JTC1/SC29 WG11 and currently known as ISO/IEC JTC1/SC29)*
 - *Technical contributions related to the definition of collaborative multimedia scenes (currently included in ISO/IEC 14496-11 (MPEG-4 BiFS))*
 - *Technical contributions and AhG co-chairman (together with Dr. S. Joo) for ISO/IEC 21000-22 (MPEG-UD)*
 - *Technical contributions and AhG co-chairman for ISO/IEC 23093 (MPEG-LoMT)*
- *Within MPAI*
 - *Technical contributions for MPAI-NNW standard (also promoted as IEEE P.3304)*

PhD supervision:

- *Supervisor for 13 PhD thesis defended at Université Paris Descartes, Université Pierre et Marie Curie, Mines ParisTech, and Institut Polytechnique de Paris*
- *Supervisor of 3 on-going thesis at Institut Polytechnique de Paris*
- *Main evaluator (rapporteur) on more than 10 PhD thesis defended at Norwegian University of Science and Technology, Indian Institute of Engineering Science and Technology, Gent University (Belgium), POLITEHNICA University of Bucharest (Romania), École nationale des sciences de l'informatique (Tunisia), Mines ParisTech (France), Université de Bordeaux (France), Université Sorbonne Paris Nord (France), IMT Atlantique (France).*

PUBLICATIONS

Types of publications:

- *Journal papers: 20+*
- *EU/US patents: 3 granted, 1 application*
- *Books: 3*
- *Book chapters: 6*
- *International conferences: 80+*
- *ISO technical contributions: 80+*

AWARD

- *Gheorghe Cartianu award (2003) of the Romania Academy for the book "Printed Romania as an information source", (with A. Vlad and A. Mitrea)*

At Palaiseau, France, on November 7th, 2025