

CURRICULUM VITÆ

Tiberiu MINEA

Birth date August 18th, 1969

Nationality French

Institutional Address

Laboratoire de Physique des Gaz et Plasmas - LPGP
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✓ **Education**

- Accreditation to Supervise Research (HDR - 'Habilitation à Diriger des Recherches'), Docent degree 2006
- Ph.D. degree in Plasma Physics, University Paris-Sud, 1998

✓ **Professional Experience**

- Jan. 2015 - Head of Laboratory of Physics of Gases and Plasmas (LPGP)
- 2008 - present Full Professor, University Paris Sud, Orsay, France (2nd rank 2008, 1st rank, 2014, Exceptional rank 2017)
- 2005 - 2008 Senior Researcher (1st rank)- CNRS, LPGP Orsay, France
- 2000 - 2004 Senior Researcher (2nd rank) - CNRS IMN - Institute of Materials 'Jean Rouxel' (UMR 6502), Nantes, France

✓ **Areas of scientific interest**

- *Theory and Modelling of Plasmas, Numerical Simulation of Plasma Processing*
- *Magnetron and Magnetized Plasmas*
- *Out of Equilibrium Plasmas, Glow Discharge Physics, Plasma Diagnostics*
- *Design of plasma reactors for specific applications*
- *Coating and Thin Films, Ultra-thin films*
- *Micro- & Nano- surface processing*
- *Electron emission in vacuum and high voltage related phenomena*
- *Particle Additional Heating of Magnetically Confined Fusion Plasma (ITER)*
- *Nanotechnology using Plasmas, Carbone Nanotubes Growth by Plasma Techniques*
- *Metal additive manufacturing*

✓ **Scientific Coordination Activities**

- Director of Laboratory of Physics of Gases and Plasmas (LPGP), since Jan. 2015
- Head of the group 'Theory and Modelling of Plasmas - Discharge and Surfaces': TMP-D&S at LPGP since June 2006.
- Coordinator of CNRS activities (9 labs) in Metal Additive Manufacturing
- Coordinator of more than 25 Industrial Contracts in Plasma Modelling and Thin Film Deposition using Plasmas
- Local Coordinator of Research Contracts with EURATOM - F4E & EFDA (Dec. 2006 - Dec. 2011), partnership with CEA Cadarache, IPP Garching, KTH Stockholm
- Advisor of PhD. Thesis (15 thesis defended, 6 in preparation)
- Coordinator of the Master of Advanced Materials and Industrial Management dedicated to 3D Metal Printing at University Paris-Saclay

✓ **Expertise & Consulting**

- Expert for French Vacuum Society - SFV (www.sfv.org); 9 filled missions

✓ Scientific Membership

- Vice-President of the French Federation of Scientific Societies – F2S (www.f2s-asso.org) (former *President* of F2S 2014-2017) composed of
SFP – French Physical Society; SFO – French Optical Society
SEE – Electronics and Electro-technics Society; and SFV – French Vacuum Society
- *President* of the Scientific and Technical Committee of SFV; Board Member of SFV;
- *Former President* of Plasma Division of SFP (2010-2013)

✓ Awards

Constantin Miculescu - Award of Academy of Science, Romania, 2016

✓ Conference Management

Chairman (7); Member of conference board (12); Member of steering Committees (7)

✓ Evaluation & Reviewing activities

SCIENTIFIC PROJECT REVIEWER (FRANCE, BELGIUM, GERMANY, POLAND, CZECH REPUBLIC)

SCIENTIFIC PROJECT REVIEWER (POLE COMPETITIVITÉ, RÉGIONS, IRT)

PATENTs Reviewer for CNRS

PEER-TO-PEER REVIEWER FOR INTERNATIONAL JOURNALS (> 30 TITLES)

Scientific Reports, Applied Physics Letters, J. Appl. Phys., Rev. Sci. Instrum., Plasma Sources Science and Technology, Nuclear Fusion, Plasma Physics Controlled Fusion, Phys. of Plasma, Small, Surf. Coat. Technol, Thin Solid Films, Appl. Surf. Sci.,...

MEMBER OF SELECTION COMMITTEES FOR PERMANENT STAFF POSITION IN UNIVERSITIES: 6

MEMBER OF DEFENCE COMMITTEES (PH.D. and ACCREDITATION TO SUPERVISE RESEARCH): 46

✓ Languages

- French *speak read write*
- English *speak read write*
- Romanian *speak read write*

✓ Scientific production

BOOKS

Editor of collective book (in print)	1
Co-author of collective books	2 (+1)

PAPERS

<i>International peer-to-peer reviewed journals</i>	106 (+1)
<i>International Proceedings, peer-to-peer reviewed</i>	8
<i>National peer-to-peer reviewed journals</i>	5
Total papers	119

Conference communications

<i>Invited Conferences</i>	19 (31)
<i>Oral Communications at International Conferences</i>	106
<i>Posters at International Conferences</i>	100
<i>Communications at National Conferences</i>	27
Total communications	+ 260

PATENTS & LICENSE

International Patents	5 (+4 pending)
Software License	1