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Courier Address Laboratoire Modélisation et Simulation Multi Echelle
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Date and location of birth 28/03/1978 in Haguenau (France)

Correspondence Languages English (Cambridge Certificate in Advanced English) or French

Other Languages German

Work Experience

Sep 2013 **Full Professor in Mechanics** at the University Paris Est, Créteil, France. In charge of the Biomechanics Lab of the “Multiscale Modelling and Simulation Laboratory” (MSME), CNRS 8208, University Paris Est.

Feb 2006–Aug 2013 Assistant Professor in Mechanics at the University Paris Est, Créteil, France.

Sep 2004–Jan 2006 Visiting Assistant Professor at the University Paris 12, Créteil, France.

Academic Background

Dec 2012 **Professorial thesis in Mechanics and Biomechanics** (French « Habilitation à Diriger des Recherches »), University Paris Est, France.
Subject: Multiphysics & Multiscale behaviour of osteo–articular media.

Dec 2004 **Doctor of Philosophy** (Mechanics and Energetics), Institut National Polytechnique de Lorraine, Laboratoire d’Energétique et de Mécanique Théorique et Appliquée – CNRS, Nancy, France.

Sep 2001 **Engineer** of the Ecole Nationale Supérieure d’Electricité et de Mécanique, Nancy, France.

Sep 2001 **Research Master** in Mechanics and Energetics, Institut National Polytechnique de Lorraine, Nancy, France.

Administrative responsibilities & Membership of Committees, and Institutions

– Administrative responsibilities

- Elected professor member of the **National Committee of the Universities** (CNU 60) in the 60th topic “Mechanics, Biomechanics & Civil Engineering” (2019–...)
- **Head of the Biomechanics section** of the Laboratory “Multi–Scale Modeling and Simulation” (Modélisation et Simulation Multi Echelle – MSME), UMR 8208 (2013–...)
- **Head of the Industry & Engineering Master Degree**, University Paris Est Créteil peculiarly focussed on Maintenance and Risks Management, ~130 students / year (2017–...)
- **Head of the Engineering Bachelor Degree**, University Paris Est Créteil, ~80 graduated students/year (2012–2018)
- **Elected Member of the *Conseil de Gestion*** (management board) of the Sciences & Technology Department of the Université Paris Est Créteil (2014–...)
- Member of the educational board of the Sciences Department of the Université Paris Est Créteil (2013–...)
- **Nominated Member of the *Directoire*** (management board) of the Laboratory “Multi–Scale Modeling and Simulation” (MSME), UMR 8208 (2013–...)
- **Elected member of the Council of the Laboratory** “Multi–Scale Modeling and Simulation” (MSME), UMR 8208 (2010–2015)

- **Elected “PhD student” member** of the board of the Laboratoire d’Energétique et de Mécanique Théorique et Appliquée, UMR 7563 CNRS (2002–2004)
- Member of several *Comités de Sélection* (Hiring Committees) in Mechanics, Physics and Energetics, Université Paris Est Créteil, Université Gustave Eiffel, Université de Lorraine (2008–...)
- **Member of the Scientific Committe** of the GdR 2760 CNRS “Biomechanics of fluids and transfers – Fluid–structure interactions in biology and multiscale phenomena” (2010–2011)

– Membership of Societies and Institutions

- International Research Center for Mathematics & Mechanics of Complex Systems (M&MoCS)
- Member of the The François COSSERAT–Tullio LEVI CIVITA International Laboratory (Coss&Vita)
- Member of the LaBex « Modélisation & Expérimentation pour la Construction Durable » (MMCD)
- Francilian Mechanics Federation (Fédération francilienne de mécanique, matériaux, structures, procédés – F2M)
- French Association of Mechanics (Association Française de Mécanique – AFM).
- French Society of Biomechanics (Société de Biomécanique – SB)
- International Society for Porous Media
- European Society of Biomechanics

Expertise, Editorial Activities & Scientific peer review

– Expert for the European Commission (2017–...)

Expert evaluator for H2020 evaluation of research proposals received under the topic “Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing”

– Expert for the Czech Science Foundation (2017)

Expert evaluator for Bone Biomechanical and Biological Behaviour Topics.

– Expert for Czech Ministry of Education, Youth and Sports (2016–...)

- Foreign expert evaluator for Operational Programme Research, Development and Education (European Structural and Investment Funds)
- Arbiter for Operational Programme Research, Development and Education (European Structural and Investment Funds)

– Expert for French National Research Agency (ANR) (2013–...)

- ANR Tecsan (Health Science & Technology Program)
- ANRT (Industrial PhD grants)

– Expert for Czech National Research Agency (Czech Science Foundation) (2017)

Czech Science Foundation (Basic scientific research Program)

– Expert for the Université Paris Est Créteil

Different items (Science Department calls, Covid 19 special call in 2020, etc.)

Member of the scientific board of the UPEC Foundation

– Editorial Activities

- Member of the Editorial Board of BioMed Research International (JCR IF=2.5), (2016–...), promoted in 2019 as a **Section Editor in Chief** for the “Biomechanics, Biophysics, Bioengineering, Biotechnologies” chapter
- Member of the Editorial Board of Current Nanoscience (JCR IF=1.3), (2018–...)
- Member of the Editorial Board of Applied Bionics and Biomechanics (JCR IF=1.0), (2016–...)
- Member of the Editorial Board of Mathematical Problems in Engineering, (JCR IF=0.8), (2015–...)

– Books & special issues

- Reviewer of book projects for Elsevier/Academic Press
- Editorial Project Manager for Hindawi Publishing Corporation

– Reviewer for Scientific Journals (>100)

– Member of a professorial or doctoral thesis jury

- As a supervisor or co-supervisor: **7** As an external reviewer: **6** As the jury president: **1**

Publications & Communications

Books or Book Chapters	10	Conferences	>85
Refereed articles	60	Seminars and other communications	>60