

Curriculum Vitae

CRETON Costantino

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• CURRENT POSITION(S)

- 2019 - VP Research of the ESPCI Paris-PSL
- 2018 – Directeur de Recherche CNRS, Exceptional class, Laboratoire SIMM, ESPCI Paris-Tech/
France
 - *Head of the group “Soft Polymer Networks” in the Soft Matter Science and Engineering Laboratory of the ESPCI.*
- 2016 - Distinguished Professor of the University of Hokkaido, Japan

• PREVIOUS POSITIONS

- 2001 – Directeur de Recherche CNRS, Laboratoire SIMM, ESPCI Paris-PSL/ France
- 1994 – 2001 Chargé de Recherche CNRS, 1st class, Laboratoire PPMD, ESPCI Paris-PSL/ France
- 1993– 1994 Post-doctoral fellow, Laboratoire PCSM, ESPCI Paris-PSL/ France
L. Monnerie/Laboratoire SIMM/ESPCI ParisTech/France
- 1992– 1993 Visiting Scientist, IBM Almaden Research Center, USA with H.R. Brown

• EDUCATION AND DIPLOMAS

- 1985 Materials Science & Engineering degree, Ecole Polytechnique Fédérale de Lausanne, Switzerland
- 1991 Ph. D. Department of Materials Science & Engineering, Cornell University, USA
- 1999 Habilitation in Physics, Université Pierre et Marie Curie, Paris, France

• FELLOWSHIPS, AWARDS AND HONOURS

- 1986 Swiss National Research Fund Junior Fellowship (1 year)
- 1988 IBM Almaden Reserach Center research Fellowship (1 year)
- 1993 Swiss National Research Fund Junior Fellowship (2 years)
- 2002 Prix Polymères of the French Polymer Group (France)
- 2007 Prix Dédale of the French Adhesion Society
- 2008 Polymer Physics Prize of the Journal of Polymer Science: Polymer Physics
- 2011 Wake Medal of the UK Society of Adhesion and Adhesives
- 2013 Award for Excellence in Adhesion Science, The US Adhesion Society
- 2013 Fellow of the American Physical Society
- 2015 ERC Advanced Grant
- 2021 Grand Prix Fondation Michelin French Academy of Science
- 2022 Prix Champetier (senior prize) of the French Polymer Group

- **AREA OF EXPERTISE**

General scientific area: *Polymer Science and Engineering*

Special field of research: *Chemistry and mechanical properties of soft polymers, adhesion phenomena, adhesive properties and adhesive chemistry. Fracture of soft polymer networks. Mechanochemistry applied to soft materials*

Keywords: *interface, surface, thin films, adhesion, fracture, block copolymer, random copolymer, micromechanics, nanomaterials, mechanical properties, rheology of polymers.*

- **PUBLICATION AND COMMUNICATION RECORD**

230 publications in refereed journals (WOS h-index of 66)

15 book chapters

140 invited and plenary lectures in international conferences

Google Scholar profile: <https://scholar.google.fr/citations?user=AFJd52sAAAAJ&hl=fr>