

**Dario Gastaldi**: Born in Cremona (Italy).

**Qualification and Recent positions**

Master degree in Biomedical Engineering at Politecnico di Milano in 2001.

PhD in Materials Engineering at Politecnico di Milano in 2005 (PhD thesis title “Microstructure-based Numerical Modeling of Functionally Graded Materials for applications in the biomedical field”).

2005-2010 Research Fellow at Politecnico di Milano in the Dept. of Structural Engineering.

2011-2012 Assistant Professor in Industrial Bioengineering at the Dept. of Structural Engineering, Politecnico di Milano.

2013-2016 Assistant Professor in Industrial Bioengineering at the Department of Chemistry, Materials and Chemical Engineering, Politecnico di Milano.

2016-at present Associate Professor in Industrial Bioengineering at the Department of Chemistry, Materials and Chemical Engineering, Politecnico di Milano.

**Research interests:**

- biomechanics of tissues;
- mechanics of materials for biomedical applications;
- mechanics at various length scales;
- nanoindentation techniques
- experimental methodologies for the mechanical characterization of biomaterials;
- nonlinear finite element modeling;
- flexible and stretchable electronics for biomedical applications.

**Scientific Activities:**

Dario has contributed to several research projects at the Laboratory of Biological Structures Mechanics (LaBS), focused on modeling and characterization of materials and structures in the biomedical field.

From 2016 he is co-responsible for the In-situ Micromechanics Laboratory (IS-MicroLab) aimed at performing in-situ mechanical characterization and multi-physics characterization (electro-mechanical) of materials and systems for deformable electronics.

2005-nowadays: Active member of the European Society of Biomechanics.

Reviewer for the following international journals: Acta Biomaterialia, ASME Journal of Biomechanical Engineering, Journal of the Mechanical Behavior of Biomedical Materials, Computational Materials Science, Surface and Coatings Technology, Biomechanics and Modeling in Mechanobiology, Journal of Biomechanics, Annals of Biomedical Engineering.