

## PERSONAL INFORMATION

Michele Conti

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Sex: M | Date of birth: 8 April 1982 | Nationality: Italy

## EDUCATION:

- November 2007 - November 2010 (Graduation 11/02/2011): PhD in Bioengineering and Bioinformatics at Università degli Studi di Pavia - (Joint diploma with Ghent University, Ghent, Belgium).
- September 2004 - July 2007: Master Degree in Biomedical engineering at Università degli Studi di Pavia.
- 2016 September 2001 - November 2004: Bachelor degree in Biomedical engineering at Università degli Studi di Pavia.

## RESEARCH UNIQUE IDENTIFIER:

- ResearcherID: J-3580-2014
- Orcid: 0000-0003-1275-0653

## SCIENTIFIC PRODUCTION:

- Documents: 107 according to Scopus
- Citations: 1261 according to Scopus (excluding self-citations: 1068 according to Scopus)
- h-index: 20 according to Scopus
- 2 patents filled

## CURRENT ACADEMIC POSITION:

- December 2019 - currently: Associate Professor - at Department of Civil Engineering and Architecture (ex Dept. of Structural Mechanics), Università degli Studi di Pavia, Pavia.

## PAST ACADEMIC POSITION:

- November 2016 - November 2019: Assistant Professor - RTD-B - at Department of Civil Engineering and Architecture (ex Dept. of Structural Mechanics), Università degli Studi di Pavia, Pavia.  
April 2017: National Scientific Qualification as Associate Professor in Industrial Bioengineering (ING-IND/34)
- November 2012 - October 2016: Assistant Professor - RTD-A - at Department of Civil Engineering and Architecture (ex Dept. of Structural Mechanics), Università degli Studi di Pavia, Pavia.
- November 2010 - October 2012: Post-doc fellow at Department of Civil Engineering and Architecture (ex Dept. of Structural Mechanics), Università degli Studi di Pavia, Pavia.

## PROFESSIONAL COMMITTEES AND ACTIVITIES (SELECTED):

July 2020-currently. Council Member of European society of Biomechanics (ESB).  
2013-2015. President of Italian Chapter of European Society of Biomechanics (ESB-ITA)  
2018-2020. Vice President of Center of Healthcare Technology (CHT) of University of Pavia

## NATIONAL AND INTERNATIONAL GRANTS (AS PRINCIPAL INVESTIGATOR)

- [Unit Leader] October 2020- currently: New patient-specific functional assessment of the anomalous aortic origin of coronary arteries: stratifying the risk for myocardial ischemia and sudden death., Ricerca finalizzata 2019 - Ministero della Salute, coordinator: Dr. M. Lo Rito.  
[Unit Leader] Apr 2019- currently: Impact of peripheral endovascular repair on femoral-popliteal artery kinematic: from clinical experience to in vivo biomechanical modeling

(PERFEKT study), Ricerca finalizzata 2018 - Ministero della Salute, coordinator: Dr. B. Pane. Webpage: <http://www-2.unipv.it/compmech/perfekt.html>

- [Unit Leader] February 2018 - currently: Cryoballoon atrial fibrillation ablation: in vivo evaluation of tissue effects and predictors of durable lesions, Ricerca finalizzata 2016 - Ministero della Salute, coordinator: Dr. M. Anselmino. Webpage: <http://www-2.unipv.it/compmech/cryoballoon.html>
- [Unit Leader] November 2015 - currently: Impact of carotid endarterectomy and stenting on hemodynamics, fluid-structure interaction, autonomic modulation, and cognitive brain function, Ricerca finalizzata 2013 - Ministero della Salute, coordinator: Dr. M. Marrocco. Webpage: <http://www-2.unipv.it/compmech/barox.html>

#### AWARDS AND HONOURS

- June 2019. Recipient of research grant by LivaNova Donations & Grants. [<http://www-2.unipv.it/compmech/cardiac-surgery.html>]
- April 2016. Winner of European Society of Cardiology (ESC) Research Grant.

#### INVITED TALKS TO NATIONAL AND INTERNATIONAL CONFERENCES AND/OR SCHOOLS (RECENT AND SELECTED):

- Mechanical coupling. Insight congress. Milan (IT). March 2022
- Mechanical characterization and modeling in bioprinting. GRUPPO NAZIONALE DI BIOINGEGNERIA - XXXIX Scuola Annuale, Bressanone (IT), September, 2021)
- L'analisi fluido-dinamica (CFD) nella patologia dell'arteria poplitea. National congress of Società Italiana di Chirurgia Vascolare ed endovascolare (SICVE). Florence (IT), 17-19, October, 2019.
- Effectiveness of 3D printed models in the treatment of complex aortic diseases. 11th meeting of European Society of Vascular Biomechanics. Strasbourg (FR), 17-19, October, 2019.
- Prototipazione rapida da immagini per una medicina personalizzata. GRUPPO NAZIONALE DI BIOINGEGNERIA - XXXVII Scuola Annuale, Bressanone (IT), September, 2019)
- Biomechanical simulations and 3D printing for endovascular device testing. 2nd Annual Meeting 3Rs in Italian Universities. 20-21 June 2019, Genoa, IT.
- Material testing and mechanical modelling in bioprinting. THE EUROPEAN CELLINK COLLABORATIVE PARTNERSHIP CONFERENCE (10 May 2019, Milan, Italy).
- Simulazioni dello stent coperto popliteo: dalle immagini mediche al trattamento chirurgico. Workshop Gore, Sorrento (IT), 1 December, 2017)
- Simulations for endovascular surgery: from medical images to clinical reality through computational and experimental biomechanics. - (Leibniz Universität Hannover, Hannover (DE), 27 November, 2017)
- Simulation of endovascular surgery: from medical images to clinical reality through computational and experimental biomechanics. (Politecnico di Torino, Turin (IT), 8 April, 2016)

#### ORGANIZATION OF INTERNATIONAL & NATIONAL CONFERENCES RECENT AND SELECTED):

- 2nd Winter School 'Bioprinting From printing set-up to laboratory analysis and Biomechanics'. Pavia, Italy, 14-17/02/2022. Website: <http://bioprintingwinterschool.unipv.it>
- 1st Winter School 'Bioprinting From printing set-up to laboratory analysis and Biomechanics'. Pavia, Italy, 11-13/02/2020. Website: <http://bioprintingwinterschool.unipv.it>
- ESB-ITA, 28-29/09/2017. co-organizer of VII Annual Meeting of ESB Italian Chapter, Rome (IT). <http://www.esb-ita.it/main/meetings/>