

CV Joris Mattheijssens

Personal data

Name Joris Mattheijssens
Born 15-02-1984, Mechelen, Belgium
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Work experience

2022-now PostDoc, Ghent University, Faculty of Bioscience Engineering,
Department of Data Analysis and Mathematical Modelling

2018-2021 Data scientist, Vlaamse Radio- en Televisieomroeporganisatie (VRT),
Brussels

2016-2018 Staff worker projects, Belgian Cancer Registry, Brussels

- Information extraction from pathology reports
- Text mining

2007-2016 Researcher, Royal Military Academy (RMA), Brussels.

- Applied research in ship propulsion.
- Prototyping
- Optimization with computational fluid dynamics (CFD) and experiments (water tunnel, LDV,...)
- PhD project 2011-2016

Education

2016 PhD in Engineering sciences, Royal Military Academy and VUB,
Brussels

2007 Master in Engineering sciences (mechanics), KUL
Thesis: Development of aerodynamic bearings

2002 Latin-Mathematics, Scheppersinstituut, Mechelen

Additional courses and training

2020	Communication with Impact, PerCo, Brussels
2017	Text Mining with R, Leuven Statistics Research Centre
2014	Introduction to Measurement Techniques in Fluid Dynamics, Von Karman Institute, Sint-Genesius-Rode
2013	Effective Scientific Communication, Principiae, Brussels
2010	OpenFOAM Summer School, University of Zagreb, Croatia
2008	Valve Islands, Festo, Oudenaarde

Technical skills

Coding	Python, bash
Testing	Water tunnel tests, force measurements, Laser Doppler Velocimetry, hot wire anemometry, NI LabVIEW
CFD	OpenFOAM, ANSYS Fluent
CAD	Solid Edge, Unigraphics, CATIA

Language skills

Dutch	Native
English	Good
French	Good, Selor article 12

Other

2004	Driving License B
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Publications

- A. Pironet, T. Tambuyzer, H. De Schutter, L. van Walle, J. Mattheijssens, K. Henau, L. Van Eycken, N. Van Damme, H. A. Poirel, **“Machine learning-based extraction of breast cancer receptor status from bilingual free-text pathology reports”**, 2021, Frontiers of Digital Health, Sec. Health Informatics, Volume 3 – 2021, Brief Research Report Article
- C. Van Den Bosch, C. Libot, J. Mattheijssens, K. Baert, M. Boonen, W. Van Den Broeck, S. Claes, **“Daylist. Exploring the Design of Configuration Settings to Establish a Lean Back On-Demand Radio Experience”**, 2020, ACM (Association for Computing Machinery) Digital Library, DOI: 10.1145/3419249.3420128
- A. Pironet, J. Mattheijssens, K. Henau, H. Vermeylen, H. De Schutter and E. Van Eycken, **“Relevant features for detection of test results in written medical reports”**, 2017, Conference: 39th Annual meeting of IACR, October 2017, Utrecht, The Netherlands
- J. Mattheijssens, W. Bosschaerts and D. Lefeber, **“Oscillating foils for Mine Countermeasures”**, Mine Countermeasures, November 19, 2014, London, UK
- J. Mattheijssens, J-P Marcel, W. Bosschaerts and D. Lefeber, **“Oscillating Foils for Ship Propulsion”**, 2013, Int. J. of Design & Nature and Ecodynamics, Vol. 8, No. 3, WIT Press
- J. Mattheijssens, J-P Marcel, W. Bosschaerts and D. Lefeber, **“Experimental Investigation of a Surface-Piercing, Heaving and Passively Pitching Hydrofoil”**, 2013, AIAA Fluid Dynamics Conference and Exhibit
- J. Mattheijssens, J-P Marcel, W. Bosschaerts and D. Lefeber, **“The influence of phase difference and pitch axis position on the performance of heaving and pitching hydrofoils”**, NuTTS 2012, Cortona, Italy
- J. Mattheijssens, J-P Marcel, W. Bosschaerts and D. Lefeber, **“Oscillating Foils for Ship Propulsion”**, Design and Nature Conference 2012, A Coruña, Spain
- Joris Mattheijssens, Jean-Paul Marcel, Walter Bosschaerts and Dirk Lefeber, **“Oscillating foils for ship propulsion”**, NCTAM 2012, Brussels, Belgium
- J. Mattheijssens, W. Bosschaerts, J-P. Marcel, D. Lefeber, **“Oscillating Foil with Flexible Driving Mechanism”**, BION Conference 2011, Boston, USA
- J. Mattheijssens, J-P Marcel, W. Bosschaerts, D. Lefeber, **“CFD Plea for a Reconfigurable Mono-Hull/Trimaran Ship Concept”**, OSCIC conference 2010, Munich, Germany