

	Jean-François Demonceau Lecturer/Associate Professor Department ArGenCo University of Liège BELGIUM	May 2025
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Contacts	Department ArGenCo Liège University Quartier Polytech 1 Liège, Belgium Tel.: e-mail: jfdemonceau@uliege.be URL: https://www.uee.uliege.be/cms/c_3483013/fr/urban-environmental-engineering
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Degrees	<table border="0"> <tr> <td><input type="checkbox"/> Civil Eng</td> <td>Civil Engineering</td> <td>Univ. Liège, Belgium</td> <td>2001</td> </tr> <tr> <td><input type="checkbox"/> MSc</td> <td>Applied Sciences</td> <td>Univ. Liège, Belgium</td> <td>2004</td> </tr> <tr> <td><input type="checkbox"/> PhD</td> <td>Applied Sciences</td> <td>Univ. Liège, Belgium</td> <td>2008</td> </tr> </table>	<input type="checkbox"/> Civil Eng	Civil Engineering	Univ. Liège, Belgium	2001	<input type="checkbox"/> MSc	Applied Sciences	Univ. Liège, Belgium	2004	<input type="checkbox"/> PhD	Applied Sciences	Univ. Liège, Belgium	2008
<input type="checkbox"/> Civil Eng	Civil Engineering	Univ. Liège, Belgium	2001										
<input type="checkbox"/> MSc	Applied Sciences	Univ. Liège, Belgium	2004										
<input type="checkbox"/> PhD	Applied Sciences	Univ. Liège, Belgium	2008										

Key Qualifications	<ul style="list-style-type: none"> <input type="checkbox"/> Lecturer/Associate Professor in Steel and Composite Structures at the University of Liège – Robustness of structures <input type="checkbox"/> Director of the Mechanic of Materials and Structures laboratory <input type="checkbox"/> Chairman of the Technical Committee “Composite structures” (TC11) of the European Convention for Constructional Steelwork (ECCS) <input type="checkbox"/> Belgian representative in different CEN normative committees <input type="checkbox"/> Participation to and coordination of several R&D projects involving partners from several European countries <input type="checkbox"/> Member of the Applied Science Faculty Council and of the Argenco department and UEE research unit council and managing board
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Research focus	<input type="checkbox"/> Steel structures, and Steel-Concrete and Steel-Timber Composite Structures robustness joints stability High Strength Steel
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References <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Description</th> <th>#</th> </tr> </thead> <tbody> <tr> <td>Journal papers</td> <td>54</td> </tr> <tr> <td>Conferences</td> <td>76</td> </tr> <tr> <td>Books</td> <td>66</td> </tr> </tbody> </table>	Description	#	Journal papers	54	Conferences	76	Books	66	Selected references (max. 10) <ul style="list-style-type: none"> <input type="checkbox"/> Books <ul style="list-style-type: none"> - Design recommendations against progressive collapse in steel and steel-concrete buildings DEMONCEAU, J.-F., ET ALL ECCS - European Convention for Constructional Steelwork. 2021 - European recommendations for the design of simple joints. J.P. JASPART, J.F. DEMONCEAU, S. RENKIN et M.L. GUILLAUME CECM, Convention Européenne de la Construction Métallique, N° 126, 2009. <input type="checkbox"/> International Journals <ul style="list-style-type: none"> - Drop-weight impact tests on free from damage beam to column connections D'ANTIMO, M., LATOUR, M., & DEMONCEAU, J.F. Journal of Constructional Steel Research, 192, 2022, - Resistance of steel and composite connections under combined axial force and bending including group effects: analytical procedures and comparison with laboratory tests. DEMONCEAU, J.-F., CERFONTAINE, F., & JASPART, J.-P. Journal of Constructional Steel Research, 160, 2019 - Composite joints under M-N at elevated temperatures
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	<p>C. HAREMZA, A. SANTIAGO, J.F. DEMONCEAU, J.P. JASPART & SIMOES DA SILVA L. Journal of Constructional Steel Research, Vol. 124, pp. 173-186, 2016.</p> <ul style="list-style-type: none"> - Complete analytical procedure to assess the response of a frame submitted to a column loss <p>C. HUVELLE, V. L. HOANG, J.P. JASPART AND J.F. DEMONCEAU Engineering Structures journal, Vol. 86, 2015, 33-42</p> <ul style="list-style-type: none"> - Experimental and numerical investigations of high-strength steel circular columns subjected to fire <p>N. TONDINI, V. L. HOANG, J.F. DEMONCEAU AND J.M. FRANSSSEN Journal of Constructional Steel Research, Vol. 80, 2013, 57-81.</p> <ul style="list-style-type: none"> - Characterisation of beam-to-column steel-concrete joints beyond current Eurocode provisions <p>J.F. DEMONCEAU AND A. CIUTINA Structures journal, Elsevier, January 2019</p> <ul style="list-style-type: none"> - Experimental test simulating a column loss in composite frame <p>J.F. DEMONCEAU AND J.P. JASPART Advanced Steel Construction journal, Vol. 6, 2010, 891-913</p> <ul style="list-style-type: none"> - Behaviour of single-sided composite joints at room temperature and in case of fire after an earthquake <p>J.F. DEMONCEAU, F. HANUS, J.P. JASPART AND J.M. FRANSSSEN International Journal of Steel Structures (IJOSS), Korea, December 2009, pp. 329-342.</p> <p>All the publications are available at the following address: ORBi: Publication of Jean-François Demonceau</p>
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<p>Teaching experience</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Description</th> <th style="text-align: left;">#</th> </tr> </thead> <tbody> <tr> <td>Years of teaching</td> <td>14</td> </tr> <tr> <td>PhD (co)supervision</td> <td>10</td> </tr> <tr> <td>MSc (co) supervision</td> <td>57</td> </tr> </tbody> </table>	Description	#	Years of teaching	14	PhD (co)supervision	10	MSc (co) supervision	57	<p>Mechanic of Materials Steel structures Composite structures Robustness of structures Conceptual design of buildings Projects Master theses</p>
Description	#								
Years of teaching	14								
PhD (co)supervision	10								
MSc (co) supervision	57								

<p>International experience</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Description</th> <th style="text-align: left;">#</th> </tr> </thead> <tbody> <tr> <td>Research projects</td> <td>35</td> </tr> <tr> <td>Mobility programmes</td> <td>1</td> </tr> <tr> <td>Technical boards</td> <td>5</td> </tr> </tbody> </table>	Description	#	Research projects	35	Mobility programmes	1	Technical boards	5	<ul style="list-style-type: none"> □ Participation to 35 research projects in total, mainly funded at European levels (through programs as FP6 or RFCS) □ Chairman of the European Technical Committee 11 of ECCS (Composite Constructions) □ Several teaching mobilities in Europe □ Participation to international conferences and international technical committee meetings □ Belgian representative in different CEN normative committees
Description	#								
Research projects	35								
Mobility programmes	1								
Technical boards	5								

<p>Cooperation with industry</p>	<ul style="list-style-type: none"> □ Different contacts with various enterprises (Astron-Lindab, Feldmann+Weynand GmbH, Greisch, Drever International, GDTECH, ArcelorMittal, Elia, Stow, Peikko...)
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<p>Languages</p>	<ul style="list-style-type: none"> □ French English Fluent
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Jean-François DEMONCEAU