



## Europass Curriculum Vitae



### Personal information

First and surname	<b>Dr. Marcell Gáspár</b>
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Nationality	Hungarian
Date of birth	26/02/87
Sex	Male

### Work experience

Period	2021-
Job / position	Head of Department
Activities, scope of duties	Organizational tasks related to education and research
Name and address of employer	Department of Structural Integrity, Institute of Materials Science and Technology, Faculty of Mechanical engineering and Informatics, University of Miskolc
Period	2019-
Job / position	Associate professor, Head of the Welding Research Group
Activities, scope of duties	Education and research (Advanced Materials Processing, Weldability, Fusion welding processes)
Name and address of employer	Institute of Materials Science and Technology, Faculty of Mechanical Engineering and Informatics, University of Miskolc
Period	2017-2021
Job / position	Sub project leader

Activities, scope of duties	Project management. Coordinating the work of research teams. Cooperation with industrial partners
Name and address of employer	Higher Education Centre for Industrial Cooperation, University of Miskolc
Period	2016-2019
Job / position	Senior lecturer, Head of the Welding Research Group
Activities, scope of duties	Education and research (Advanced Materials Processing, Weldability, Fusion welding processes)
Name and address of employer	Institute of Materials Science and Technology, University of Miskolc
Period	2014-
Job / position	Assistant lecturer
Activities, scope of duties	Education and research
Name and address of employer	Institute of Materials Science and Technology, University of Miskolc
Period	2011-2014
Job / position	Research fellow
Activities, scope of duties	Research tasks in the field of the weldability of high strength steels within TÁMOP-4.2.1.B-10/2/KONV-2010-0001 and TÁMOP-4.2.2/A-11/1-KONV-2012-0029 projects, supported by the European Union, and co-financed by the European Social Fund."
Name and address of employer	Institute of Materials Science and Technology, University of Miskolc
Period	2014 (2 months)
Job / position	Research internship (Campus Hungary Program)
Activities, scope of duties	Research tasks in physical simulation (GLEEBLE)
Name and address of employer	University of Oulu (Finland), Faculty of Technology, Materials Engineering Laboratory
Period	2010 (4 weeks)
Job / position	MSc student, summer field work
Activities, scope of duties	Welding procedure tests, welding experiments
Name and address of employer	RUUKKI Tisza Zrt. (Jászberény)
Type of work	Production of welded structures
Period	2008 (4 weeks)
Job / position	BSc student, summer field work
Activities, scope of duties	Design and analysis of sheet metal forming,
Name and address of employer	Sanmina Hungary Ltd.

## Education and training

Period 2011 – 2016  
 Qualification PhD (Title of the dissertation: Physical simulation based development of welding technology for quenched and tempered structural high strength steels)  
 Main subjects Material science, Modern Analysis, The theory of welding, Weldability of materials, Discrete Mathematics  
 Institution Sályi István PhD Student School, University of Miskolc

Period 2011- 2013  
 Qualification welding engineer, IWE/EWE  
 Main subjects Welding processes, Weldability, Examination of welded joints, Statics of welded structures, Design of welded structures  
 Institution University of Miskolc, Faculty of Mechanical Engineering and Informatics

Period 2009-2012  
 Qualification economists (MSc)  
 Main subjects Business strategy, Project management, Business counselling  
 Corporate strategy, Finances  
 Institution University of Miskolc, Faculty of Economics

Period 2009-2011  
 Qualification mechanical engineer (MSc)  
 Main subjects Fusion welding technologies, Pressure welding technologies, Advanced materials processing, Production processes and systems  
 Institution University of Miskolc, Faculty of Mechanical Engineering and Informatics

Period 2010 (3 months)  
 Qualification Erasmus studies  
 Main subjects Fatigue of high strength steels  
 Institution University of Liège, Faculty of Applied Sciences

Period 2005-2009  
 Qualification mechanical engineer (BSc)  
 Main subjects Final element modelling, Material tests, Welding and heat treatment, Joint methods, Surface treatment, Machine elements, Production engineering  
 Institution University of Miskolc, Faculty of Mechanical Engineering and Informatics

## Languages

Self-evaluation  
 European level (\*)

**English**  
**French**

Understanding		Speaking		Writing	
Listening		Reading		Spoken interaction	
Spoken production					
C1		C1		C1	
B1		B2		B1	

Communication skills	Multicultural skills, participation in numerous international and national conferences.
<b>Skills</b>	
Organisational / managerial skills	<p>Organisation of international conferences and seminars, cultural programs for international students</p> <p>3<sup>rd</sup> International Conference on Vehicle and Automotive Engineering – session chair (2020)  29<sup>th</sup> International Welding Conference – secretary (2018)  5<sup>th</sup> Welding Summer School – chief organizer (2017)  Spring Wind Multidisciplinary Conference (2015)  National Summer Camp for PhD/DLa Students (2014)  1<sup>st</sup> Welding Summer School – chief organizer (2013)  64<sup>th</sup> ESU Board Meeting – chief organizer (2013)  8<sup>th</sup> International Conference of PhD Students – co-organizer (2012)  21<sup>st</sup> European Students' Convention (official program of the Hungarian EU Presidency) – chief organizer (2011)</p>
Technical skills	Experience in the operation of laboratory and welding equipment
Computer skills	Microsoft Office, Finite element modelling (Ideas, AutoForm, Sysweld, Visual Environment), 3D CAD/CAM systems (NX6), AutoCad
Other skills	<p>Publications: 136, Independent citations: 224 (MTMT identifier: 10029524)</p> <p><a href="https://vm.mtmt.hu//search/slist.php?lang=0&amp;AuthorID=10029524">https://vm.mtmt.hu//search/slist.php?lang=0&amp;AuthorID=10029524</a>  <a href="https://scholar.google.nl/citations?user=DULQJp4AAAAJ&amp;hl=en">https://scholar.google.nl/citations?user=DULQJp4AAAAJ&amp;hl=en</a></p> <p>Flexibility, high workload, good organizational skills</p> <p>Warp-Innovation Boost Camp, facilitator (2015-)</p>
Industrial research projects	<p>2021 Development of welding technology, repair welding (FGSZ ZRt.)  2020 Examination of cracks in the boom of material handling machines (Fortaco ZRt.)  2019 Examination of welded hooks (X5 Chair Kft.)  2019 Development of welding technology, examination of welded joints (FGSZ ZRt.)  2019 Investigation of stud welds in airbag inflators (Joyson Safety Systems Hungary Kft.)  2018 Development of welding technology (FGSZ ZRt.)  2018 Qualification plasma cut surfaces (KwakLab Research Institute)  2017 Professional support of the development of welding technology resulting quality and reliable production (Dometic ZRt.)  2016 Materials testing of induction quenched shafts (Robert Bosch Automotive Steering Kft.)  2015 Analysis of the reduction of weld distortion by finite element modelling (Wild Manufacturing Bt.)  2011 Development of welding technology (FGSZ ZRt.)</p>

International projects	<p>2017-2018 LoCoMaTech H2020 project (development of joining methods, especially resistance spot welding and adhesive bonding for automotive high strength aluminium alloys)</p> <p>2016-2018 RMWF Erasmus+ KA2 project (development of a European guideline and educational materials for risk management in welding fabrication)</p>
Driving license	B category
<b>Other information</b>	<p><b>Awards:</b></p> <p>2019 - Faculty Medal</p> <p>2018 - Community for Science Award (DOSZ)</p> <p>2015 - Rectorat Laudation</p> <p>2015 - National Excellence Award</p> <p>2013-2014 - Apáczai Csere János PhD Grant, National Excellence Program</p> <p>2012 - Scientific Society for Mechanical Engineers, Welding Committee, Thesis work application, 2<sup>nd</sup> place</p> <p>2011 - Honour degree of the Students' Union</p> <p>2011 - 30<sup>th</sup> Jubilee National Scientific Competition, 3<sup>rd</sup> place</p> <p>2006, 2008, 2009, 2010 - Scholarship of the Republic</p> <p>2007, 2008, 2009, 2010 - Golden degree of academic medallion</p> <p>2010 - Institutional Scientific Competition, 1<sup>st</sup> place</p> <p>2009 - Bosch award</p> <p>2009 - National Conference of Mechanical Engineer Students, 1<sup>st</sup> place (team)</p> <p>2007 - Institutional Scientific Competition, 2<sup>nd</sup> place</p> <p>2006 - 2009 GE Foundation Scholar-leaders Program</p> <p>2006 - Bronze degree of academic medallion</p> <p><b>Membership, position in professional organizations</b></p> <p>2020 - IAB delegate from the MHTE</p> <p>2019 - Hungarian Welding Society, Executive committee member</p> <p>2016 - IIW C-IX delegate from Hungary</p> <p>2014 - Hungarian Welding Society, Youth forum, vice-chair</p> <p>2013 - Association of Hungarian PhD and DLA Students (DOSZ), member of the Technical Scientific Section</p> <p>2013 - Hungarian Welding Society, member</p> <p>2011 - Scientific Society for Mechanical Engineers, member</p> <p>2010-2012 - Hungarian Accreditation Committee, student member of the engineering committee</p> <p><b>Public life activities, higher education</b></p> <p>2015-2016 Board member, EURODOC</p> <p>2015-2016 Hungarian Association of PhD and DLA students, EC member</p> <p>2012-2014 PhD Students' Union, University of Miskolc, chairperson</p> <p>2012 - Sályi István PhD Student School, member of the doctoral council</p> <p>2011 - Institutional Doctoral council, member</p> <p>2010 - Senate, University of Miskolc, member</p> <p>2008-2009 - Scientific Student Council, Faculty of Mechanical Engineering and Informatics, member</p> <p>2006-2010 - Faculty Council, Faculty of Mechanical Engineering and Informatics, member</p>