



## Europass Curriculum Vitae



### Personal information

First and surname **Prof. Dr. Marcell Gáspár**  
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E-mail(s) marcell.gaspar@uni-miskolc.hu  
Nationality Hungarian  
Date of birth 26/02/87  
Sex Male

### Work experience

Period 2025-  
Job / position full professor  
Activities, scope of duties Education and research (Advanced Materials Processes, Material Behaviour Subjected to Welding, Fundamentals of Material Science, Structural Materials I-II)  
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 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 (habilitated)
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		C1	
B1		B2		B1		B2	

(\*) Common European Framework of Reference for Languages

Communication skills Multicultural skills, participation in numerous international and national conferences.

## Skills

Organisational / managerial skills

Organisation of international conferences and seminars, cultural programs for international students

32<sup>nd</sup> International Welding Conference – member of programme committee (2024)  
 4<sup>th</sup> International Conference on Vehicle and Automotive Engineering – session chair (2022)  
 31<sup>st</sup> International Welding Conference – member of programme committee (2022)  
 30<sup>th</sup> International Welding Conference – member of programme committee (2021)  
 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)

Technical skills Experience in the operation of laboratory and welding equipment

Computer skills Microsoft Office, Final element modelling (Sysweld, Visual Environment), 3D CAD/CAM systems, AutoCad

Other skills Publications: 200, Independent citations: 507 (MTMT identifier: 10029524)

<https://vm.mtmt.hu//search/slist.php?lang=0&AuthorID=10029524>  
<https://scholar.google.nl/citations?user=DULOJp4AAAAJ&hl=en>

Flexibility, high workload, good organizational skills

Warp-Innovation Boost Camp, facilitator (2015-)

Industrial research projects	<p>2025 Examination of the production problems of a product made of pickled S235JR+N plate (Fireplace Kft.)</p> <p>2021 Development of welding technology, repair welding (FGSZ ZRt.)</p> <p>2020 Examination of cracks in the boom of material handling machines (Fortaco ZRt.)</p> <p>2019 Examination of welded hooks (X5 Chair Kft.)</p> <p>2019 Development of welding technology, examination of welded joints (FGSZ ZRt.)</p> <p>2019 Investigation of stud welds in airbag inflators (Joyson Safety Systems Hungary Kft.)</p> <p>2018 Development of welding technology (FGSZ ZRt.)</p> <p>2018 Qualification plasma cut surfaces (KwakLab Research Institute)</p> <p>2017 Professional support of the development of welding technology resulting quality and reliable production (Dometic ZRt.)</p> <p>2016 Materials testing of induction quenched shafts (Robert Bosch Automotive Steering Kft.)</p> <p>2015 Analysis of the reduction of weld distortion by finite element modelling (Wild Manufacturing Bt.)</p> <p>2011 Development of welding technology (FGSZ ZRt.)</p>
Projects	<p>2024- Centre of Vocational Excellence in Welding and Non-Destructive Testing (COVE-WENDT), Erasmus project</p> <p>2023- Flumen project: Developments enabling the mixing of hydrogen on the natural gas transmission system - second phase</p> <p>2022-2024 Digital Training for European Welding Inspectors (D-EWI), Erasmus+ KA2 project</p> <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>2017-2021 Establishment of Advanced Materials and Technologies Higher Education Cooperation Centre (HEICC)</p> <p>2016-2018 RMWF Erasmus+ KA2 project (development of a European guideline and educational materials for risk management in welding fabrication)</p> <p>2013-2015 Automotive material developments: targeted basic research in the fields of formability, heat treatment and weldability (JIP)</p>
Driving license	B category

## Other information

### Awards:

2024 - Béla Zorkóczy Medal (MAHEG)  
2022 - János Bolyai Research Grant (MTA)  
2019 - Faculty Medal  
2018 - Community for Science Award (DOSZ)  
2015 - Rectorat Laudation  
2015 - National Excellence Award  
2013-2014 - Apáczai Csere János PhD Grant, National Excellence Program  
2012 - Scientific Society for Mechanical Engineers, Welding Committee, Thesis work application, 2<sup>nd</sup> place  
2011 - Honour degree of the Students' Union  
2011 - 30<sup>th</sup> Jubilee National Scientific Competition, 3<sup>rd</sup> place  
2006, 2008, 2009, 2010 - Scholarship of the Republic  
2007, 2008, 2009, 2010 - Golden degree of academic medallion  
2010 - Institutional Scientific Competition, 1<sup>st</sup> place  
2009 - Bosch award  
2009 - National Conference of Mechanical Engineer Students, 1<sup>st</sup> place (team)  
2007 - Institutional Scientific Competition, 2<sup>nd</sup> place  
2006 - 2009 GE Foundation Scholar-leaders Program  
2006 - Bronze degree of academic medallion

### Membership, position in professional organizations

2020 - IAB delegate from the MHTE  
2019 - Hungarian Welding Society (MAHEG), Executive committee member  
2016 - IIW C-IX delegate from Hungary  
2014 - Hungarian Welding Society, Youth forum, vice-chair  
2013 - Association of Hungarian PhD and DLA Students (DOSZ), member of the Technical Scientific Section  
2013 - Hungarian Welding Society, member  
2011 - Scientific Society for Mechanical Engineers, member  
2010-2012 - Hungarian Accreditation Committee, student member of the engineering committee

### Public life activities, higher education

2015-2016 Board member, EURODOC  
2015-2016 Hungarian Association of PhD and DLA students, EC member  
2012-2014 PhD Students' Union, University of Miskolc, chairperson  
2012 - Sályi István PhD Student School, member of the doctoral council  
2011 - Institutional Doctoral council, member  
2010 - Senate, University of Miskolc, member  
2008-2009 - Scientific Student Council, Faculty of Mechanical Engineering and Informatics, member  
2006-2010 - Faculty Council, Faculty of Mechanical Engineering and Informatics, member