

PERSONAL INFORMATION

FEIER Anamaria



Sexul F | Data nașterii 1[REDACTED] | Romanian Nationality

WORK POSITION

Politehnica University Timisoara, Faculty of Mechanical Engineering, Materials and Manufacturing Engineering Departament (IMF)

Associate Professor

WORK EXPERIENCE

2022 - present: Assoc. Prof., UPT, Faculty of Mechanical Engineering, Timișoara, B-dul Mihai VITEAZU, nr. 1, Timișoara

- Course activities and applications to the disciplines:
PSSAC – Computer aided design of welded structures.
CSMA – Welding behavior of advanced materials
SSI- Industrial welded structures

Type or sector of activity: didactic, scientific and organizational research

2018 - 2022: lecturer, UPT, Faculty of Mechanical Engineering, Timișoara, B-dul Mihai VITEAZU, nr. 1, Timișoara

- Course activities and applications
PSSAC – Computer aided design of welded structures.
CSMA – Welding behavior of advanced materials
SSI- Industrial welded structures
PSC- Associated welding processes
IMA - Blending advanced materials.

Type or sector of activity: didactic, scientific and organizational research.

2014 - prezent: responsible for training center of Romanian Welding Society (ASR)

- Teaching hours at IWE and IWS courses
- Preparation together with the course assistant of the student file
- Participation in European projects of the ASR
- Management of the training compartment of the ASR

2014-2018: - Senior scientist / CS III

INCERC Timisoara, Str Traian Lalescu , nr. 2, Timisoara

- Scientific research activities in fundamental research programs and occasionally in technical programs on a contractual basis;
- Responsible for laboratory tests on the metal
- Responsible for technical approvals
- Responsible for the national research project PN II

Type or sector: scientific research.

2010-2014: PhD student on POSDRU research project

Faculty of Constructions, Department of Metallic Constructions and Mechanics of Constructions (CMMC), Timisoara

- Applicative activities for the course of Metal Bridges, Mixed Constructions, Construction Mechanics
- Research activities within the scientific-applicative research contracts of the CMMC department
- Activities of coordination of student practice in the department of CMMC and technological practice

Type or sector of activity: didactic and scientific.

2008-2010: Design engineer

Autohton , Timișoara

- Design activities
- Follow-up activities for the cutting parts already projected in the design department of Autohton

Type or sector of activity: metallic construction design

EDUCATION AND TRAININ

2022 - 1st Learning, teaching, training activities: **How to train for digital literacy?**, DIGIGREEN Erasmus Project (Improved workforce to set transition from manufacturing to digital green fabrication), Lubiana, Slovenia

2020 - Strategic Management Course - May-September - British Academy of Business and Communication

2020 - Business Communication Course - May-September - British Academy of Business and Communication

2020 - Business Risk Management Course - August-November - British Academy of Business and Communication

2019 – Diploma of trainer in the field of FSW- given by EWF, Lisbon, Portugal

2016 – Industrial Risk Management - ISIM Timisoara

2014 IWSD Diploma, Specialization of International Design Welded Structures, ISIM Timisoara

2014 IWE Diploma, Specialization of International Welding Engineer / European, Romanian Welding Society

2013 Doctor engineer, specialization Rehabilitation of Historic Metal Bridges with the thesis "Rehabilitation of historical metal bridges with consoles and joints (Gerber)" - Politehnica University Timisoara

2010 Masterand Diploma - Master in New Structures and Technologies in Metal Constructions, Faculty of Constructions Timisoara

February 2008 – May 2008 – Erasmus student (Bachelor) - Universite Sophia Antipolis Nice (France)

2008 Civil Engineer -Politehnica University Timisoara

PERSONAL SKILLS

Mother tongue (s

OTHER LANGUAGE (S

ROMANIAN

	UNDERSTANDING		SPEAKING		WRITING
	LISTENING	READING	SPOKEN	SPOKEN	
			INTERACTION	PRODUCTION	
French	B1/2	B1/2	B1/2	A1/2	A1/2
English	B1/2	B1/2	B1/2	A1/2	A1/2

COMMUNICATION SKILLS

- good communication skills in Romanian language acquired through the experience of a teacher and other activities connected with my job .
- good communication skills in English (technique) acquired by drafting, conducting, developing research projects and articles

ORGANISATIONAL / MANAGERIAL SKILL

Organized, communicative, easily integrated into the team, ability to make decisions under stress conditions, involvement in socio-cultural, ambitious, sociable activities.

SKILLS ACQUIRED IN THE WORKPLACE

- Good knowledge in project analysis, manufacturing processes and control of welded metal structures;
- Good knowledge of the psychology of skilled workers, engineers, students.

COMPUTER SKILLS

MS Office, AutoCAD, Tekla, Sap2000, Mathcad, Mike she, Abaqus

OTHER SKILLS

Excellent efficiency and efficiency through organization and planning, proactive thinking, self-evaluation and improvement
Easily use computer programs to analyze structures

DRIVING LICENCE

Category B

ADDITIONAL INFORMATION

Author and coauthor at over 100 papers published at Conferences and International Journals, currently is an Assoc. Professor at Politehnica University Timisoara (UPT) in the field of Industrial Engineering and Welding Engineering bachelor's degree and master's degree, PhD in Civil Engineering, International Welding Engineer (IWE); International Welding Structures Design (IWSD); works in different R&D and T&Q projects in the frame of European or national programs.

Lector for Industrial Welded Structures and Designing of Welded Structures at Romanian Welding Society.

- Project Manager/Scientific Responsible in 2 national projects
- member of research team in 7 international research projects (FP7, ERASMUS+, LLP) and 5 national research projects (POSDRU, PNCDI, PN II, PN III).

During 10 years' experience in education have published 3 books and 2 chapters in international publishers.

Member of Romanian welding Society (ASR)

Member of the association SALVPOD

Member of the international association AASCIT

Member of the organizing committee of the conference "The eighth international conference Bridges in the Danube Basin, Timisoara-Belgrade 4-5 Oct. 2013

Member / Secretary in the commission for organizing the examination of Energy Auditors in the Western part of Romania - June 2014

Member in committee 39 and 42 at ASRO

Annexes

1. Guest Editor Assistant – Special Issue" Advances in Welding Process and Materials"
2. Reviewer Board Member of MDPI
3. Review confirmation certificate
4. Review confirmation certificate at Journals of Poznan University
5. Reviewer Materials Today Proceedings
6. Member of organizing team- The eight international conference of Danube Bridges, 2013, Timisoara
7. Member in editorial board journal - SERBIA
8. ORGANIZING COMMITTEE – SEEIIW2018
9. Reviewer IMANEE2021
10. Reviewer Virtual Realty (Springer Nature)
11. Member of organizing committee – Conferinta Sudura 2018 – Timișoara, Romania
12. Member of organizing committee – Conferinta Sudura 2020, Ploiesti, Romania
13. Member of organizing committee – Craiova 2019
14. Member of the working group – FSW at EWF
15. Reviewer_TIMA12

Articles published in MDPI journals:

1. **Feier, A.**; Becheru, A.; Brîndușoiu, M.; Blaga, L. Process Transferability of Friction Riveting of AA2024-T351/Polyetherimide (PEI) Joints Using Hand-Driven, Low-Cost Drilling Equipment. *Processes* 2021, 9, 1376. doi: 10.3390/pr9081376
2. Rînjea, C.; Chivu, O.R.; Darabont, D.-C.; **Feier, A.I.**; Borda, C.; Gheorghe, M.; Nitoi, D.F. Influence of the Thermal Environment on Occupational Health and Safety in Automotive Industry: A Case Study. *Int. J. Environ. Res. Public Health* 2022, 19, 8572. doi: 10.3390/ijerph19148572
3. **Feier, A.**; Buta, I.; Florica, C.; Blaga, L. Optimization of Wire Arc Additive Manufacturing (WAAM) Process for the Production of Mechanical Components Using a CNC Machine. *Materials* 2023, 16, 17. <https://doi.org/10.3390/ma16010017>

4. **Feier, A.**; Both, I.; Petzek, E. Optimisation of the Heterogeneous Joining Process of AlMg3 and X2CrNiMo17-12-2 Alloy by FSW Method. *Materials* 2023, 16, 2750. <https://doi.org/10.3390/ma16072750>

Articles published in Springer journals:

5. Hernea S., **Butisca (cas. Feier) Anamaria**, “THE NECESSITY TO MAINTAIN IN OPERATION THE OLD METAL BRIDGES “The eighth international conference Bridges in Danube Basin, Timisoara-Belgrade 4-5 Oct. 2013, Ed Springer Germania.
6. Firu, A.C., **Feier, A.**, Banciu, F., Tapirdea, A.I., Draghici, G., New Approaches to Product Development in the Current Industrial and Economic Context. In: Draghici, A., Ivascu, L. (Eds) Sustainability and Innovation in Manufacturing Enterprises. *Advances in Sustainability Science and Technology*, Springer, Singapore, pp. 165- 184, 2022.

Articles published in Elsevier journals:

7. Schwalie A., **Feier A.**, Hernea S., Băncilă R. (2016), Four historical steel bridges over the Mureș River. 9th International Conference „Bridges in Danube Basin 2016“, BDB 2016, Volum 156, 2016, Pages 419–426[Elsevier, ISSN 1877-7058], disponibil la <http://www.sciencedirect.com/science/article/pii/S1877705816324912>
8. Schwalie A., Petzek, E., **Feier A.**, Băncilă R. (2016), Historical steel bridges the Tisa basin; present technical condition, functionality and sustainable rehabilitation, 9th International Conference „Bridges in Danube Basin 2016“, BDB 2016, Volum 156, 2016, Pages 427–434 [Elsevier, ISSN 1877-7058], <http://www.sciencedirect.com/science/article/pii/S1877705816324924>
9. Schwalie A., Petzek, E., **Feier A.**, Băncilă R. (2016), Integration of the rehabilitated old steel bridge in Lipova on the Mureș - river in the danube basin in the historical area of the town, 9th International Conference „Bridges in Danube Basin 2016“, BDB 2016, Volum 156, 2016, Pages 435–442 [Elsevier, ISSN 1877-7058], <http://www.sciencedirect.com/science/article/pii/S1877705816324936>
10. A. Ciprian Firu, A. Ion Tapîrdea, **A. Ioana Feier** and G. Draghici. Virtual reality in the automotive field in industry 4.0, Advanced Materials and Structures (AMS'20) conference, October 7-9, 2020, Timișoara, Published in *Materials Today: Proceedings*, ©2021 Elsevier Ltd., <https://doi.org/10.1016/j.matpr.2020.12.037> WOS:000655645500017
11. **Anamaria Feier**, Aurelian Magda, Felicia Banciu and Edward Petzek. Deflection and precambering study of VFT beams in the welded joints, Advanced Materials and Structures (AMS'20) conference, October 7-9, 2020, Timișoara, Published in *Materials Today: Proceedings*, ©2021 Elsevier Ltd., DOI: 10.1016/j.matpr.2020.12.036, WOS:000655645500016

Articles published in ISI journals:

12. Radu D., **Feier A.**, Petzek E., Băncilă R. (2016), Refurbishment of existing steel structures- an actual problem, *Periodica Polytechnica Civil Engineering*
13. **Feier A.**, Chivu O.R., - Lamellar Tearing Observations Regarding the Application of European Standards in the Field of Welded Steel Constructions, *Revista de Chimie*, Volume 69, Issue 6, pp 1352-1354, ISSN: 0034-7752, WOS:000438397400011(2018)
14. Adrian Firu, Alin Țăpîrdea, Oana CHIVU, **Anamaria Ioana FEIER**, George Drăghici. The competences required by the new technologies in Industry 4.0 and the development of employees' skills, *ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING*, Volume: 64, Issue: 1, Pages: 109-116, Special Issue: SI 1, January 2021 WOS:000621232900013 (2021)
15. **Anamaria Ioana FEIER**, Felicia Banciu. ERGONOMIC ASPECTS OF REAL AND VIRTUAL WELDING TOOLS, *ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING*, Volume: 64, Issue: 1, (2021)
16. Adrian FIRU, **Anamaria FEIER**, George DRĂGHICI, A NEW APPROACH ON INDUSTRY 4.0 - A PLATFORM TO INTEGRATE CUSTOMER IN THE DESIGN DECISION, *ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING*, Volume: 65, Issue: 4S, (2023)
17. Richard MOLNAR, **Anamaria FEIER**, Felicia BANCIU, Margareta COTEAȚĂ, USE OF WELDING SHIELDING GAS MIXTURES IN AUTOMOTIVE WELDING PROCESSES, *ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING*, Volume: 65, Issue: 4S, (2023)