

## PERSONAL INFORMATION

## LUMINIȚA-MARIA BRENCI

 Brasov, ROMANIA



 [brenlu@unitbv.ro](mailto:brenlu@unitbv.ro)

## WORK EXPERIENCE

- 2021 - present **Vice-Dean** with the students' activity and the connection with the economic and socio-cultural environment, internationalization.  
Transilvania University of Brasov, Faculty of Furniture Design and Wood Engineering, B-dul Eroilor, no. 29
- 1997 - present **Assistant, Lecturer, Associate Professor**  
Transilvania University of Brasov, Faculty of Furniture Design and Wood Engineering, B-dul Eroilor, no. 29
- Teaching courses and applications at the following disciplines: Computer-aided programming and design, Tolerances and dimensional control, Machine tools exploitation, Wood cutting and cutting tools, Programming of computers and programming languages, 3D Modelling, Technical and drawing in the wood industry, CAD Modelling, Unconventional woodworking technologies, Parametric design in the wood industry.
- 1995-1997 **Business or sector** Wood Engineering  
Analyst programmer  
Transilvania University of Brasov, Furniture Design and Wood Engineering
- 1991-1995 **Business or sector** Wood Engineering  
**Engineer**  
Transilvania University of Brasov, Furniture Design and Wood Engineering

## EDUCATION AND TRAINING

- 2006 **Internal auditor**  
S.C. Cometam S.R.L. Bucuresti
- Presentation of ISO 17025: 2005. Problems of accreditation of testing laboratories
  - Accreditation of laboratories. Required documentation
  - Metrological traceability based on reference documents
  - Free movement of products on the European Union market. Steps required to be applied for affixing CE markings on Romanian products
  - Internal auditors for testing laboratories according to ISO 19011;
  - Validation of measurement methods according to ISO 17025: 2005
  - Measurement uncertainty
  - Structure of interlaboratory comparison
- 2006 **Linguistic competence – English language**  
Transilvania University of Brasov, Department of continuous training, Faculty of Letters  
Level – B2
- 2006 **Aided design in Solid Works**  
Ada Computers
- Wood engineering
- 2006 **WEB Design. Using tools for creating WEB pages**  
Transilvania University of Brasov

- 2005 **PhD**  
Transilvania University of Brasov
  - Industrial engineering field
- 2002 **Engineering programming**  
Transilvania University of Brasov
  - wood industry profile
- 2001 **FE COSMOS soft**  
INICAD SOFT SRL, Bucuresti
  - wood industry profile
- 2000 **English for technical and Bussiness in wood industry**  
Transilvania University of Brasov
  - wood industry profile
- 1996 **Aided programming in AUTO LISP**  
Transilvania University of Brasov
  - wood industry profile
- 1996 **Aided design in AutoCAD R12, Level 1**  
Transilvania University of Brasov
  - wood industry profile
- 1994 **Aided design in AutoCAD R11, Level 1**  
Transilvania University of Brasov
  - wood industry profile
- 1991 **Analyst programming**  
Transilvania University of Brasov, Faculty of Machine Building Industry
  - Mechanical engineering in Machine Building Industry field
- 1984-1990 **Engineer**  
Transilvania University of Brasov
  - wood industry profile
- 1980-1984 **Bacalaureate diploma**  
"Unirea" Lyceum of Brasov

PERSONAL SKILLS

Mother tongue(s) Replace with mother tongue(s)

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English language	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills
 

- good communication skills gained in teaching experience
- good communication skills gained in the professional context

Organisational / managerial skills
 

- Coordinator of Scientific Research Center "Innovative Technologies and Advanced Products in Wood Industry" between 2008-2010 and 2013 - present
- Very good experience gained in the frame of scientific project as coordinator and member in project staff
- Member in scientific committee of 16 national and international conferences and symposiums
- Member of the Council of the Department of Wood Processing and Wood Products Design within the

- Faculty of Furniture Design and Wood Engineering from 2011 – November 2023;
- Member of the Council of the Faculty of Furniture Design and Wood Engineering from 2015 until now;
- Member of the Senate of Transilvania University of Braşov from 2016 to 2020.

- Job-related skills**
  - good knowledge of computer aided design
  - good knowledge of programming languages
  - didactic experience (as assistant, lecturer and assistant professor)
  - experience as a trainer (by teaching and training courses for workers and operators in the wood industry, in collaboration with the Chamber of Commerce and Industry of Brasov)
  
- Digital competence**
  - Very good knowledge in aided design (AutoCAD 2D and 3D, Solid Works, Solid Edge, Mechanical Desktop, Auto LISP, Top Solid, IMOS)
  - Very good knowledge in Delphi, Turbo Pascal, C#
  - Very good knowledge in MS-DOS operating system
  - Very good knowledge in Web Design (HTML language, Dreamweaver, Fire Works)
  - Very good knowledge in Microsoft Office suite
  - Very good knowledge in Adobe Professional, CorelDraw applications
  - Good knowledge in ADOBE CAPTIVATE
  
- Other skills**
  - member of the editorial staff of PRO LIGNO Journal, BDI indexed
  - WEB administrator ([www.unitbv.ro/fil](http://www.unitbv.ro/fil); [www.proligno.ro](http://www.proligno.ro), [www.antique-il.ro](http://www.antique-il.ro))
  
- Driving licence** B

ADDITIONAL INFORMATION

- Research activity**
  - 16 scientific papers in ISI indexed journal and ISI Proceedings, 24 scientific papers in BDI journals and 6 scientific papers in B+ journals.
  - 8 books (7 as main author).
  - 12 scientific projects
  - 28 scientific papers on international and national conferences.
  - 3 patents.
  - biodegradable composites, waste materials recycling, testing the processing accuracy and dimensional stability and testing the surface quality in terms of roughness parameters, testing the thermal conductivity and sound absorption properties of the materials, quality of wood and wood products surfaces.
  
- Publications (selection)**
  - **Brenci, L.M.**; Gurău, L. (2024) - A Stratified Characterization of Surface Quality of Beech Processed by Profile Milling. Applied Sciences, 14(1) 129; <https://doi.org/10.3390/app14010129>
  - **Brenci, L.M.**, Cosereanu, C., Olărescu, A., Ispas, M. (2022) - Waste Management in Furniture and Wood Sector. PRO LIGNO Journal Vol 18(1): pp. 15-27. ISSN 1841-4737 (print), 2069-7430 (online)
  - Lungu, A., Ispas, M., **Brenci, L.M.**, Răcăsan, S., Coşereanu, C. (2021) - Comparative Study on Wood CNC Routing Methods for Transposing a Traditional Motif from Romanian Textile Heritage into Furniture Decoration. Applied Sciences-Basel. 11(15), 6713.
  - Zeleniuc, O., **Brenci, L.M.**, Cosereanu, C., Fotin, A. (2019) - Influence of adhesive type and content on the properties of particleboard made from sunflower husks. BioResources. 14(3), 7316-7331.
  - Georgescu, S.V., Coşereanu, C., Fotin A., **Brenci L.M.**, Costiuc, L. (2019) - Experimental thermal characterization of timber frame exterior wall using reed straws as heat insulation materials. Journal of Thermal Analysis and Calorimetry. pp 1-9 ISSN 1388-6150, Online ISSN 1588-2926. DOI <https://doi.org/10.1007/s10973-019-08325-2>
  - Zeleniuc, O., **Brenci, L.M.**, Cosereanu, C., Fotin, A. (2019) - Influence of adhesive type and content on the properties of particleboard made from sunflower husks. BioResources. 14(3), 7316-7331.
  - Georgescu, S.V., Coşereanu, C., Fotin A., **Brenci L.M.**, Costiuc, L. (2019) - Experimental thermal characterization of timber frame exterior wall using reed straws as heat insulation materials. Journal of Thermal Analysis and Calorimetry. pp 1-9 ISSN 1388-6150, Online ISSN 1588-2926. DOI <https://doi.org/10.1007/s10973-019-08325-2>
  - **Brenci, L.M.**, Coşereanu, C., Zeleniuc, O., A., Georgescu, S.V., Fotin, A. (2018) - Thermal conductivity of wood with ABS waste core sandwich composites subject to various core modification. Bioresources Journal 13(1): pp 555-568.
  - Coşereanu, C., **Brenci, L.M.**, Zeleniuc, O., Fotin, A (2015) - Effect of particle size and geometry of

single-layer and three-layer particleboard made from sunflower seed husks. *BioResources Journal* 10(1): pp 1127-1136.

- Coșereanu C., Lăzărescu, C., Curtu, I., Lică, D., Sova, D., **Brenci, L.M.**, Stanciu, D (2010) - Research on new structures to replace polystyrene used for thermal insulation of buildings. *Revista Materiale Plactice*. Vol. 47(3): pp 341-345
  - Cosereanu, C., Curtu, I., Lunguleasa, A., Lica, D., Porojan, M., **Brenci, L.**, Cismaru, I., Iacob, I. (2009) - Influence of synthetic and natural fibres on the characteristics of wood-textile composite. *Revista Materiale plastic*. No. 46(3): pp 305- 309.
  - **Brenci, L.M.**, Cosereanu, C., Olăescu, A., Ispas, M. (2022) - Waste Management in Furniture and Wood Sector. *PRO LIGNO Journal* Vol 18(1): pp. 15-27. ISSN 1841-4737 (print), 2069-7430 (online)
  - Brenci L.M. (2016) - Eco-composites designed for thermal and acoustic insulation of buildings. *Bulletin of the Transilvania University of Brașov* Vol. 9 (58) No.2, pp: 45-52
  - **Brenci, L.M.**, Cismaru, I., Fotin, A., Zeleniuc, O. (2014) - The influence of ecological materials embedded into composite upon the thermal insulating capacity. *PRO LIGNO Journal* 10(4):pp 63-68.
  - **Brenci, L.M.**, Coșereanu, C., Fotin, A., Vasilache, A. (2013) - Research on the Thermal Conductivity of Composites Made of Ecological Fibers. *PRO LIGNO Journal* 9(3): pp 34-41
- Projects (selection)**
- Tackling Environmental sustainability through Blended Learning opportunities for ivEt in the furniture and wood sector (TABLE). Program ERASMUS+, KA202, Cooperation for Innovation and the Exchange of Good Practices, Strategic Partnerships for vocational education and training Project no. 2020-1-FR01-KA202-079899\_202010141216 – Project manager
  - Erasmus+, PN:2018-1-IT01-KA202-006734, Program KA2 - Cooperation for Innovation and the Exchange of Good Practices Strategic Partnerships for vocational education and training. Furniture sector Avant-garde Creativity and Entrepreneurship Training (FACET). Member of the team project.
  - Erasmus+. PN: 601011-EPP-1-2018-1-ES-EPPKA2-SSA. Program KA2: Cooperation for innovation and the exchange of good practices - Sector Skills Alliances. DITRAMA - Digital transformation manager: leading companies in Furniture value chain to implement their digital transformation strategy. Member of the team project.
  - Erasmus+ project, 2015-1-RO01-KA202-015091 - Novel learning approach for ERGOmic principles for deSIGNers working in the upholstery and sleep sectors by using Virtual Reality (ERGOSIGN). Member of the team project.
- Conferences**
- Member of organize committee of 16 international and national conferences
- Honours and awards**
- Transilvania University Award 2007, for outstanding results in the development of national research projects, as coordinator of the research “Innovative Technologies and Advanced products in the Wood Industry”

Brașov, 25 of January 2024

Assoc.Prof.Dr.Eng. Luminița-Maria BRENCI