

CURRICULUM VITAE



PERSONAL INFORMATION

Name	MIHAELA IOANA BARITZ
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E-mail	mbaritz@unitbv.ro , baritzm@yahoo.com
Nationality	Romanian
Date of birth	7 JANUARY 1955

EDUCATION AND TRAINING

- Dates (from – to) 3.11.1996-28.01.1997
- Name and type of organization providing education and training Laboratorie CASM, INSA Lyon Franta
- Principal subjects/occupational skills covered Promoteur – international project
- Title of qualification awarded Certificate

- Dates (from – to) 15.05.-28.05.2000
- Name and type of organization providing education and training Laboratorie LMC, INSA Lyon Franta
- Principal subjects/occupational skills covered Image processing for mechanical application
- Title of qualification awarded Certificate

- Dates (from – to) 18.05-30.05.2001
- Name and type of organization providing education and training Laboratorie LMC, INSA Lyon Franta
- Principal subjects/occupational skills covered Image processing for biomedical application
- Title of qualification awarded Certificate

- Dates (from – to) April 2002
- Name and type of organization providing education and training Chiradent SA Slovacia
- Principal subjects/occupational skills covered Materials and technology Science: Devices for dental pieces
- Title of qualification awarded Certificate

WORK EXPERIENCE

- Dates (from – to) 2002- present
- Name and address of employer "Transilvania " University of Brasov, Romania
- Type of business or sector Education and Research
- Occupation or position held Professor

- Main activities and responsibilities
 - Dates (from – to) 1998-2002
 - Name and address of employer "Transilvania " University of Brasov, Romania
 - Type of business or sector Education and Research
 - Occupation or position held Associate Professor
 - Main activities and responsibilities -Courses and Laboratory courses in optometry, image processing, apparatus design
-Research activity biomechanical investigations systems

- Main activities and responsibilities
 - Dates (from – to) 1990-1998
 - Name and address of employer "Transilvania " University of Brasov, Romania
 - Type of business or sector Education and Research
 - Occupation or position held Lecturer
 - Main activities and responsibilities -Courses and Laboratory courses in computer systems, optical methods, image processing, holography
-Research activity in technology for optical and mechatronic devices

- Main activities and responsibilities
 - Dates (from – to) 1982-1990
 - Name and address of employer "Transilvania " University of Brasov, Romania
 - Type of business or sector Education and Research
 - Occupation or position held Assistent
 - Main activities and responsibilities -Courses and Laboratory courses in Optical and measurement
-Research activity mechanism and measurement methods, characterization and application
-Research in holography

- Main activities and responsibilities
 - Dates (from – to) 1978-1982
 - Name and address of employer Aircraft industry Brasov
 - Type of business or sector Research
 - Occupation or position held Research engineer
 - Main activities and responsibilities Design of different installation into aircraft construction

MANAGEMENT SKILLS

In Education

- undergraduate students supervisor for diploma thesis
- postgraduate students supervisor for post-graduation studies
- Scientific Coordinator of the Optometry specialization, Transilvania University of Brasov
- member of the staff for Fine Mechanical and Mechatronic Department in Mechanical Engineering Faculty, University of Brasov

In Research

- Director of more than 20 research grants
- Member of the Patronatul OPTICA
- Member of the Romanian Association AMFOR
- Scientific reviewer for national Journals and books
- Expert in MCT and CNCSIS Commissions
- Member of Romanian Mechatronic Association SROMECA
- Member of European Optical Society EOS
- Member of the Research Centre: CESMA of Transilvania University of Brasov.

PUBLICIST ACTIVITY

- 120 scientific papers published in Romanian and International Journals (ISI)
- 1 patent
- 9 books (monographs, courses) editated at national and international level

Research Domains and Valorization

Research domains

1. *Image processing and visual computing*
2. *Optometry and studies for visual investigations*
3. *Biomedical applications with composite material.*
4. *Biomechanical system design*

Research valorization

- methodologies to investigation the visual futures;
- software for dedicated applications in biomedical filed
- methods and technical system design for biomechanical application
- Good communication and team working skills, Mediating skills, Intercultural skills,
- Competences in computer science, music and literature.

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ROMANIAN

OTHER LANGUAGES

ENGLISH

- Reading skills
- Writing skills
- Verbal skills

GOOD

GOOD

GOOD

FRENCH

- Reading skills
- Writing skills
- Verbal skills

GOOD

GOOD

GOOD

TECHNICAL SKILLS
AND COMPETENCES

Computer literacy in MS Windows and MS Office package
Software for biomedical applications

21. 01. 2008

Prof. Dr. Eng. Mihaela Ioana Baritz