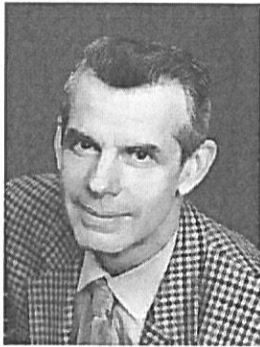


PERSONAL INFORMATION

Assoc. Prof. Mihai BRANZEI



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✉ mihai branzei@yahoo.com

Sex Male | Date of birth April 18th 1958 | Nationality Romanian

OCUPATIONAL FIELD

Higher Education - Scientific Research - Applied Research

WORK EXPERIENCE

- | | |
|-------------------------|--|
| 02/2002 - present | <p>Associate Professor
 University POLITEHNICA of Bucharest, 313 Splaiul Independentei, Sector 6, 060042 Bucharest</p> <ul style="list-style-type: none"> ▪ Teaching Courses: Material Science, Material Selection in Product Design, Materials with Special Properties and Destination, Thermophysical Testing of Materials, Thermophysical Properties of Materials, Metallic Biomaterials Engineering, ▪ Seminar / Laboratory Activities: Material Science; Material Selection in Product Design, Materials with Special Properties and Destination, Thermophysical Testing of Materials Thermophysical Properties of Materials, Metallic Biomaterials Engineering ▪ Research into the production and investigation in (bio)materials fields. <p>Business or sector Higher Education, Scientific Research, Applied Research Projects</p> |
| 02/1992 - 02/2002 | <p>University Lecturer
 University POLITEHNICA of Bucharest, 313 Splaiul Independentei, Sector 6, 060042 Bucharest</p> <ul style="list-style-type: none"> ▪ Teaching Courses: Metallic Materials Study, Material Selection in Product Design, Materials with Special Properties and Destination, Qualitative & Quantitative Light Microscopy, Heat treatments, Physical Metallurgy, Metallic Biomaterials Engineering ▪ Seminar / Laboratory Activities: Metallic Materials Study; Material Selection in Product Design, Materials with Special Properties and Destination, Qualitative & Quantitative Light Microscopy, Heat Treatments, Physical Metallurgy, Metallic Biomaterials Engineering ▪ Research into the production and investigation in (bio)materials fields. <p>Business or sector Higher Education, Scientific Research, Applied Research Projects</p> |
| 02/1991 - February 1992 | <p>Assistant Professor
 University POLITEHNICA of Bucharest, 313 Splaiul Independentei, Sector 6, 060042 Bucharest</p> <ul style="list-style-type: none"> ▪ Seminar / Laboratory Activities: Metallic Material Study; Qualitative and Quantitative Light Microscopy ▪ Research into the production and investigation in materials fields.. <p>Business or sector Higher Education, Applied Research Projects</p> |
| November 1988 - 02/1991 | <p>Principal Researcher 3rd, 2nd Degree
 Design and Research Institute for Spare Parts and Equipments</p> <p>Business or sector Research & Development Activity, Responsible for Applied Research Projects.</p> |
| 11/1985 - 11/1988 | <p>Internship Engineer
 "DACIA"-Pitesti Passenger Automobile Factory</p> <p>Process Engineer, Approval Process Engineer, Design Engineer Technologies; Research Engineer.</p> <p>Business or sector Automotive Production</p> |

EDUCATION AND TRAINING

- 05/2015 Certificate "Nanotechnology for Electronics"
Eurotraining (GA No.: 316526) - Founded by the European Union; Hungary Budapest University of Technology and Economics in collaboration with University POLITEHNICA of Bucharest
- Train the Trainers Course
 - Knowledge in the field of nanotechnology
- ISCED - 8
- 04/2010 Certificate "IPC Trainer for IPC-A-600 Application Specialist Training"
IPC Association Connecting Electronics Industries / UPB – CETTI through ELAN Program
- Connecting type SMT / Instructor for connecting circuits; Valid 2010 - 2012
 - internationally recognized Certificate Research into the production and investigation of materials fields.
- ISCED - 7
- 06 - 09/2008 Post-doctoral Specialization: Preparation of Nanoparticles
IFW Dresden - Helmholtzstraße 20, 01069 Dresden, Germany
- IFW Dresden / TU Dresden – Germany / FP6 - No. MTKD-CT-2004-14059, Marie Curie Project ToK - Intensive Program for Transfer of Knowledge to Eastern European Reference Pole for Micro- and Nanotechnologies – NANOTEC-ES
- ISCED - 8
- 06 - 09/2007 Post-doctoral Specialization: Characterization and Evaluation of Nanomaterials
IFW Dresden - Helmholtzstraße 20, 01069 Dresden, Germany
- IFW Dresden / TU Dresden – Germania / FP6 - No. MTKD-CT-2004-14059, Marie Curie Project ToK - Intensive Program for Transfer of Knowledge to Eastern European Reference Pole for Micro- and Nanotechnologies – NANOTEC-ES
- ISCED - 8
- 06/2007 Certificate "Trainer for ANTER Corporation Thermophysical Instruments, Specialist Training"
Anter Corporation, 1700 Universal Road, Pittsburgh, PA, 15235-3998, United States
- Authorized User / Trainer for ANTER Corporation-USA Thermophysical Equipments - Advanced Research Level
 - Pittsburgh - USA
- ISCED - 7
- 05/2006 Post-doctoral Certificate " Training for Biomaterials Integration in Computer-aided Medicine Paradigm"
Univ. Nova de Lisboa, Faculdade de Ciências e Tecnologia, Quinta da Torre 2829-516 Caparica
- Leonardo da Vinci Program - Universidade Nova de Lisboa / Portugal
 - International Recognized Certificate
- ISCED - 8
- 08 - 09/2005 Post-doctoral Fellowship "Fabrication and characterization of microstructure and thermal stability of massive micro and nanostructure Ti-based alloys, with improved mechanical and corrosion properties, composed of non-toxic elements like Nb, Ta, Zr, Ag, Cr, In, Si"
IFW Dresden - Helmholtzstraße 20, 01069 Dresden, Germany
- Post-doctoral fellowship financed by free State of Saxony - Germany
- ISCED - 8
- 02/2004 Certificate "Trainer for ANTER Corporation Thermophysical Properties Measuring Methods, Specialist Training"
European Thermophysical Testing Center (ETTC) - University POLITEHNICA of Bucharest
- Authorized User / Trainer for ANTER Corporation-USA Thermophysical Properties Measuring Methods - Advanced Research Level
- ISCED - 7
- 06 - 09/2003 Post-doctoral Fellowship "Metastable and Nanostructured Materials"
IFW Dresden - Helmholtzstraße 20, 01069 Dresden, Germany
- Post-doctoral fellowship financed by free State of Saxony - Germany
- ISCED - 8
- 01/2002 Certificate "Thermophysical Properties Testings, Specialist Training"
University POLITEHNICA of Bucharest, 313 Splaiul Independentei, Sector 6, 060042 Bucharest

- Authorized User / Trainer for ANTER Corporation-USA Thermophysical Properties Testings - Advanced Research Level
 - USA - European Thermophysical Testing Center (ETTC) - UPB ISCED - 7
- 11/2001 Certificate "Project Manager"
University POLITEHNICA of Bucharest, 313 Splaiul Independentei, Sector 6, 060042 Bucharest
 - Project Management for Innovation Research Development
 - Certificate by the Management Agency for Research, Innovation and Technology Transfer AMCSIT-Politehnica
 - National Recognized Certificate
 ISCED - 7
- 02/1992 - 06/2000 PhD Student - " Studies and Researches About the Structure of Some Self-Hardening Steels Using Image Analysis System"
University POLITEHNICA of Bucharest, 313 Splaiul Independentei, Sector 6, 060042 Bucharest
 - Level qualifier: "Very Good"
 - International Recognized Diploma
 ISCED - 8
- 01/2000 Certificate " Materials Preparation for Microstructural Analysis – Lecturer I "
BUEHLER - Headquarters Düsseldorf - Germany
 - Train the Trainer for BUEHLER Equipments
 - International Recognized Diploma
 ISCED - 7

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1 C1	C1	C1
Russian	A2	A2	A1 A1	A1	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills - Team spirit: I participated in practical activities and research projects conducted within the faculty;
- Ability to adapt to multicultural environments, gained through abroad study and work experience;
- Good communication skills.

Organisational / managerial skills Very good skills of organization, management and coordination of activities at the workplace:
- Leadership licence papers, dissertations, papers presented at national and international conferences;
- Management as Executive Director of UPB ETTC and throughout its lifetime;
- Coordinating discipline Materials Science Department SMMM;F;
- Research management activity as Vice-Dean of Materials Science and Eng. Faculty, since 2012;
- Winning and development of national and international projects.

Job-related skills High-level competence in areas (under training sessions and conducted scientific work and research carried out according to the list attached):
- Metallographic Sample Preparation for Microstructural Analysis ;
- Attempts Thermophysical Properties of Materials (diffusivity, conductivity, expansion);
- Qualitative and Quantitative Computerized Microscopy;
- Interconnection Techniques and Technologies.

Computer skills

- Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);
- Medium knowledge/comand of graphic design applications (Adobe Illustrator™, PhotoShop™, OriginPro);
- Good command of dedicated applications such as Anter™ Flashline and Anter™ Dilatometer, Buehler OmniMet™ Enterprise, Image Analysis System, ImagePro™, CLEMEX, Inventor.

Driving licence Category: B

ADDITIONAL INFORMATION

Publications

- 30 ISI papers;
- 6 books;
- 2 book chapters;

Memberships

- Member of ASM;
- Member of the Romanian Society of Biomaterials (SRB);

Certificates

Specializations, Fellowships

➤ Certificates:

- *Nanotechnology for Electronics*, 2015, Bucharest - Romania;
- *IPC Trainer for IPC-A-600 Application Specialist Training*, 2010, Bucharest - Romania;
- *Trainer for ANTER Corporation Thermophysical Instruments, Specialist Training*, 2007, Pittsburgh - USA;
- *Training for Biomaterials Integration in Computer-aided Medicine Paradigm*, 2006, Lisboa - Portugal;
- *Project Manager*, 2001, Bucharest - Romania;
- *Materials Preparation for Microstructural Analysis – Lecturer I*, 2000, BUEHLER - Headquarters Düsseldorf - Germany.

➤ Specializations:

- *Preparation of Nanoparticles*, 2008, IFW Dresden / TU Dresden – Germany;
- *Characterization and Evaluation of Nanomaterials*, 2007, IFW Dresden / TU Dresden – Germany;
- *Trainer for ANTER Corp. Thermophysical Properties Measuring Methods, Specialist Training*, 2004, European Thermophysical Testing Center (ETTC) - Univ. POLITEHNICA of Buc;
- *Thermophysical Properties Testings, Specialist Training*, 2002, European Thermophysical Testing Center (ETTC) - University POLITEHNICA of Bucharest;

➤ Fellowships:

- *Fabrication and characterization of microstructure and thermal stability of massive micro and nanostructure Ti-based alloys, with improved mechanical and corrosion properties, composed of non-toxic elements like Nb, Ta, Zr, Ag, Cr, In, Si*, 2005, IFW Dresden / TU Dresden – Germany;
- *Metastable and Nanostructured Materials*, 2003, IFW Dresden / TU Dresden – Germany.

References

- Prof.Dr.-Ing.habil.DHC.Paul Mugur Svasta - ;
- +40745118137; paul.svasta@cetti.ro
- Prof. Dr.-Ing.habil.Jürgen Eckert – Director al IKM - IFW Dresden;
- +49 (0)3 51/46 59 602; j.eckert@ifw-dresden.de
- Prof. Dr. Rudolf Schäfer - TU Dresden Honorary Professor;
- +49-351-4659-223; r.schaefer@ifw-dresden.de
- Prof. Dr.Ing. Leontin Druga - UTTIS INDUSTRIES SRL;
- +40722204718; office@uttis.ro.

Date:
15.03.2016

Signature,
Assoc. Prof. Dr. Ing. Mihai BRANZEI

