CURRICULUM VITAE

PERSONAL INFORMATION	
Name	Mihai STOICA
Address	Cunnersdorferstr. 12 B, D-01189 Dresden Germany
Telephone	+49 (0) 0351 4262 589
e-mail	m.stoica@ifw-dresden.de ;
Nationality	German, Romanian
Date of birth	22.10.1972
Marital status	Married
Actual title and institutional	Assoc. Prof. Dr.
position	Head (provisional) of the department Structural Research, Institute for Complex Materials at Leibniz Institute for Solid State and Materials Research Dresden (since 1.02.2015)
• Dates (from – to)	February 2014- onward
Name and address of	Leibnitz Institute for Solid State and Materials Research IFW Dresden,
employer	20 Helmholtz street, D-01069 Dresden, Germany
Type of business or sector	Institute for Complex Materials, Structural Research Department
Occupation or position held	Senior Scientific Researcher, Group Leader in the frame of the "INTELHYB" ERC Advanced Grant
 Main activities and responsibilities 	Material synthesis, thermomechanical processing and process optimization, phase analysis of micro- & nano- phases and structures
• Dates (from – to)	September 2006- January 2014
 Name and address of employer 	Leibnitz Institute for Solid State and Materials Research IFW Dresden, 20 Helmholtz street, D-01069 Dresden, Germany
Type of business or sector	Institute for Complex Materials, Metallic Glasses and Composites Department
Occupation or position held	Scientific Researcher
 Main activities and responsibilities 	Novel bulk metallic glasses and nanocomposite alloys: preparation and characterization
• Dates (from – to)	March 2006-September 2006
 Name and address of employer 	University of Technology Darmstadt, Department of Materials and Geo Sciences, Petersenstrasse 23, D-64287 Darmstadt, Germany
Type of business or sector	Physical Metallurgy Division
Occupation or position held	Scientific Researcher (Wissenschaftliche Mitarbeiter)

 Main activities and responsibilities 	Structural characterization of bulk metallic glasses and nanostructured materials. Design of new compositions and develop new annealing processes in order to improve the mechanical properties of such materials.
 Dates (from – to) Name and address of employer Type of business or sector Occupation or position held Main activities and responsibilities Dates (from – to) Name and address of 	April 2005-March 2006 Institut National Polytechnique de Grenoble 1130 rue de la Piscine, 38402 St. Martin d'Hères Campus, Grenoble, France LTPCM- Laboratory of Thermodynamics and Physical Chemistry in Metallurgy Scientific Researcher (Post-doc since 15.09.2005) Structural and mechanical characterization of bulk metallic glasses and nanocomposites June 2001-April 2005
• Type of business or sector	Leibnitz Institute for Solid State and Materials Research IFW Dresden, 20 Helmholtz street, D-01069 Dresden, Germany Institute for Metallic Materials, Metastable and Nanostructured Materials Dept.
 Occupation or position held Main activities and responsibilities 	Scientific Researcher (Gast Wissenschaftler) Bulk amorphous alloys- preparation and characterization (structure, mechanical & magnetic properties)
 Dates (from – to) Name and address of employer Type of business or sector Occupation or position held Main activities and responsibilities 	May 1997 – June 2001 National Institute of Research and Development for Technical Physics IFT Iasi, 47 D. Mangeron Blvd., RO-70 00 50 Iasi, Romania Magnetic Materials and Devices Department Assistant Researcher Amorphous alloys- preparation and characterization (structure, magnetic properties). Viscosity measurements of glass-forming alloys in the molten state using the oscillating-cup viscosimeter
TEACHING EXPERIENCE	
 Dates (from – to) Name and address of the academic institution Type of business or sector Occupation or position held Main activities and responsibilities 	2012- onward University of Technology Dresden, Germany Materials Science Faculty Teaching Assistant Lecture on Construction Materials (since the summer semester of the academic year 2011-2012) Lecture on Liquid/Solid phase Transformations (since the winter semester of the academic year 2014-2015)

• Dates (from – to)	October 2013- onward
Name and address of	POLITEHNICA University of Timisoara, Romania, P-ta Victoriei 2,
employer	300006, Timisoara, Romania
Type of business or sector	Faculty of Mechanical Engineering
Occupation or position held Main activities and	Visiting Associate Professor
responsibilities	Teaching (metastable alloys, construction materials), diploma and master students co-guiding, research collaborations
EDUCATION AND TRAINING	
• Dates (from – to)	2001-2005
 Name and type of organization providing education and training 	IFW Dresden & University of Technology Dresden, Germany, Faculty of Mathematics and Natural Sciences
 Principal subjects/occupational skills covered 	Research for PhD degree in Physics, PhD Thesis about "Casting and characterization of Fe-(Cr,Mo,Ga)-(P,C,B) soft magnetic bulk metallic glasses"
Title of qualification awarded	Doctor rerum naturalium (Dr. rer. nat.)
Level in national classification	Cum laude (gut)
	4000 4007
 Dates (from – to) Name and type of 	1996-1997 ´´ALL Cuza´´ University of lasi, Romania, Eaculty of Physics
organization providing education and training	'Al. I. Cuza'' University of Iasi, Romania, Faculty of Physics
• Principal	Applied Physics- Processing Technology of Materials and Non-destructive
subjects/occupational skills covered	Testing (non-destructive testing using X-ray, γ -ray, microwaves, ultrasounds, eddy-currents, optical methods)
 Title of qualification awarded 	Master of Science
Level in national classification	10,00 (100 %)
• Dates (from – to)	1991-1996
 Name and type of organization providing education and training 	'Al. I. Cuza'' University of Iasi, Romania, Faculty of Physics
• Principal	Technological Physics
subjects/occupational	
skills covered	
Title of qualification awarded	Diplomat Engineer in Physics
Level in national classification	9,50 (95 %)
Awards	1). ISMANAM 2007- The best young scientist award (International Symposium on Metastable and Nano Materials, 26-30 August 2007, Corfu, Greece).

	 2). The best business idea in the category "Technology" at the Business plan Competition "FutureSAX 2008"-phase I, The Saxon State Ministry for Economic Affairs and Labour. 3). Second place with the project "Megalloys" (i.e. possible products made from amorphous alloys) at the Business plan Competition "FutureSAX 2008"- phase II, The Saxon State Ministry for Economic Affairs and Labour. 4). 2011 IKM Research Award- The annual research award of the Institute for Complex Materials at IFW Dresden 5) The special prize of the President of the Leibniz Research Community for the ERC-StG application (2012)
Scientific Achievements	 Visiting Associate Professor at the POLITEHNICA University of Timisoara since the academic year 2013-2014. Participant with oral presentations (the list of the invited talks is presented later in Annex) at international conferences and meetings (Italy, England, Germany, Poland, France, Romania, Greece, Argentina, USA, Spain, Portugal, Brazil, China, South Korea, Belgium, Russia, Hungary, Japan). Reviewer for several journals: Nature Materials, Applied Physics Letters, Journal of Applied Physics, Journal of Materials Science, Journal of Materials Research, Solid State Phenomena, Philosophical Magazine Letters, Metallurgical and Materials Transaction A, Acta Materialia, Applied Surface Science, Journal of Crystal Growth, Composites Science and Technology, Intermetallics, Journal of Alloys and Compounds, Materials and Design, Journal of Magnetism and Magnetic Materials, Materials Chemistry and Physics, Materials Characterization, Materials Chemistry and Chemistry of Solids, Physica B, Sensors & Actuators: A. Physical, Surface and Coatings Technology, Thermochimica Acta, Journal of Nuclear Materials. Reviewer for Research Agencies: National Science Foundation (USA), Agence Nationale de la Recherce (France), United Arab Emirates University, AlAin (UAE). Member of the Local Organizing Committee of <i>International Symposium on Metastable and Nano Materials, 3-7 July 2005, Paris, France</i> (program responsible, editorial committee). Member of the Local Organizing Committee of <i>BMG Europe 2007, European Networkshop, 2-4 December, Paris, France</i>. Member of the Local Organizing Committee of <i>The 13th International Conference on Rapidly Quenched & Metastable Materials RQ13, 24-29 August 2008</i>
	Symposium Organizer (B1-II- Metallic glasses and their composites) at EUROMAT 2013 Conference, 8-13.09.2013, Seville, Spain

	 Member of the Scientific Committee of the Fifth International Conference on Advanced Materials and Structures, 24-25 October 2013, Timisoara, Romania. Member of the Scientific Committee of the Sixth International Conference on Advanced Materials and Structures, to be held in October 2015, 				
	<i>Timisoara, Romania.</i> Member of the team of the EU-RTN project HPRN-CT-2000-00033: "Bulk Metallic Glass Forming Alloys and Nanocrystallisation, properties and application", 01.06.2001 – 31.05.2003				
	Member of the team of the EU-RTN project MRTN-CT-2003-504692: "Ductilization of Bulk Metallic Glasses by Length-scale Control in BMGs Composites and Applications", 15.09.2005 – 14.03.2006.				
	Leader of EU-CMA project STP 3-3-02: "Magnetic properties of complex metallic alloys formed upon devitrification of Fe-based BMG", 01.04.2008 – 30.09.2008.				
	Leader of national DFG project (eigene Stelle) STO 873/2: "Phase formation, crystallization kinetics and properties of (Fe,Co)-based bulk metallic nanocomposites", 01.11.2010 – 31.10.2013.				
	Member of the team of the EU-ITN project 607080: "Vitrified Metals Technologies and Applications in Devices and Chemistry", start date 01.10.2013.				
	Group leader in the frame ERC Advanced Grant INTELHYB (team of 6 Post Doc researchers), start date 1.02.2014. High quality scientific activity concretized in numerous publications, as			·	
	summarized in the annex. A search in Thomson-Reuters database returns: 117 papers, cited 1019 times (867 without self-citations), the Hirsch-factor h = 17 (as of 13 February 2015)				
PERSONAL SKILLS AND COMPETENCES					
MOTHER LANGUAGE	Romanian				
OTHER LANGUAGES Reading skills Writing skills Verbal skills 	English Good Good Fluent	German Good Good Fluent	French Good Average Average	Spanish Good Basics Basics	Italian Good Basics Basics
SOCIAL SKILLS AND COMPETENCES	Capability to work in multicultural environment. Collaborations with peoples from different countries. Always friendly, ready to offer help and assistance				
TECHNICAL SKILLS AND COMPETENCES	work with di new devices	a very short time fferent equipme s used for coppe n techniques and	nt. Successfully r mould casting	setup at IFW Dr and water-gas a	esden several

	characterization and structure investigation, as well as for magnetic measurements and microscopy (optical and electronic). Advanced PC user and familiar with various operating systems: DOS, Windows and Linux. Advanced knowledge about computer hardware. Important experience acquired by working abroad. Trained in special kind of investigations: at European Synchrotron Radiation Facilities (ESRF) Grenoble, France and HASYLAB Hamburg, Germany (X-Ray diffraction using synchrotron beam) and at the University of Seville, Faculty of Physics (electronic microscopy- SEM, TEM, sample preparation).
References	Prof. Jürgen Eckert, IFW Dresden, Germany
	e-mail: j.eckert@ifw-dresden.de
	Prof. Alain Reza Yavari, INP Grenoble, France,
	e-mail: yavari@minatec.inpg.fr
	Prof. Ludwig Schultz, IFW Dresden, Germany,
	e-mail: I.schultz@ifw-dresden.de
CO/SUPERVISOR	5 Diploma and pre-diploma theses
	4 Master thesis candidates
	6 PhD candidates
	11 Post-doctoral fellows
PUBLICATIONS	5 Books and Book Chapters
	3 times Editor and Guest Editor
	5 Patents (granted and pending)
	121 peer reviewed Journal Papers
	6 Contributions to Collected Editions/ Proceedings
	36 Invited talks

PROJECT-RELATED EMPLOYMENT HISTORY

DatesEmployerMay 1997NIRDTP lasi,June 2001Romania		Role and Details Team member, several projects granted by Romanian Ministry for Science and Research.	
June 2001 Mai 2003	IFW Dresden, Germany	Team member , EU-RTN project HPRN-CT-2000-00033: "Bulk Metallic Glass Forming Alloys and Nanocrystallisation, properties and application".	
June 2003 March 2005	IFW Dresden, Germany	Team member , several projects granted by the German Research Association (DFG).	
April 2005 February 2006	INPG Grenoble, France	Team member , EU-RTN project HPRN-CT-2002-00208: "Improved Hydrogen Sorption Kinetics in New Magnesium Composites for Clean Energy Storage and Transport <i>and</i> EU-RTN project MRTN- CT-2003-504692: "Ductilization of Bulk Metallic Glasses by Length- scale Control in BMGs Composites and Applications".	

March 2006 August 2006	TU Darmstadt	Team member, faculty founded research position.
September 2006 June 2007	IFW Dresden, Germany	Team member , DFG-SPP 1120: Phasenumwandlungen in mehrkomponentigen Schmelzen (Phase transformations in multicomponent melts, DFG-Schwerpunktprogramm).
July 2007 October 2010	IFW Dresden, Germany	Leader of an industrial project granted by OCAS N.V. related to Febased BMGs.
April 2008 September 2008	IFW Dresden, Germany	Leader of EU-CMA project STP 3-3-02: "Magnetic properties of complex metallic alloys formed upon devitrification of Fe-based BMG".
November 2010 October 2013	IFW Dresden, Germany	Leader of national DFG project (eigene Stelle) STO 873/2: "Phase formation, crystallization kinetics and properties of (Fe,Co)-based bulk metallic nanocomposites".
November 2013 January 2014	IFW Dresden, Germany	Team member, in-house funded research position.
Since October 2013	IFW Dresden, Germany	Team member , EU-RTN project FP7-PEOPLE-2013-ITN-607080 "VitriMetTech-Vitrified Metals Technologies and Applications in Devices and Chemistry"
Since February 2014	IFW Dresden, Germany	Group Leader in the frame of the ERC Advanced Grant "INTELHYB"- Intelligent Hybrid Structures.