

CURRICULUM VITAE

NAME	Zsolt Czigány		
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BORN	1968 Hungary		
LANGUAGES	English, Swedish – advanced Russian - intermediate		
SCIENTIFIC DEGREES	1992	M.Sc.	Roland Eötvös University, Budapest, Hungary
	1999	Ph.D.	Roland Eötvös University, Budapest, Hungary
	2002	docent	Linköping University, Linköping, Sweden
	2013	DSc	Hungarian Academy of Sciences
PRESENT POSITION	Scientific Advisor at Thin Film Physics Department		
RESEARCH ACTIVITIES	Structure and morphology of multilayers/superlattices (Ag/Cu, Si/Ge, MgF ₂ /LaF ₃ ,...) Fullerene-like structure in thin films (C, CN _x and CP _x , MoS ₂ , WS ₂ ,...) Hard materials: WC, MAX-phases, ScAlN, TiAlN, VAlN solid solutions and phases Wide band gap semiconductors and conductive oxides (sp ² -BN, SiC, ZnO) apatites; X ₂ BC (X=W, Mo,Ta, Nb, Hf) hard coatings.		
VISITS and POSITIONS ABROAD	1994	Thin Film Group at Linköping University, Sweden (3 weeks)	
	1995	Thin Film Group at Linköping University, Sweden (4 weeks)	
	1996	Fraunhofer Institut, Jena, Germany (4 months)	
	2000-2002	Thin Film Group at Linköping University, Sweden (3 years)	
AWARDS	Award of the Hungarian Society of Electron Microscopy; 2003 Outstanding Paper Award of European Microscopy Society; Materials Sciences 2010 Schmid Rezső Prize of Roland Eötvös Physical Society; 2011 Pócza Jenő Prize of the Hungarian Society of Electron Microscopy; 2011 Bolyai János Research Scholarship (Hungarian Academy of Sciences); 2011		
EXPERIENCE	Transmission electron microscopy (TEM) and sample preparation Structure and SAED of amorphous and nanostructured materials Thin film deposition (evaporation, sputtering)		
AFFILIATIONS	Member of the Hungarian and European Microscopy Society Member of the Roland Eötvös Physical Society and European Physical Society Board member of vacuum science and technology division Member of the Hungarian and European Vacuum Society Editorial Board member of Applied Microscopy		
PUBLICATIONS	127 reviewed papers; ΣIF = 370; more than 3300 citations; Hirsch index =32		