

## CURRICULUM VITAE

**NAME** Zsolt Czigány

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**CITIZENSHIP** Hungarian

**DATE of BIRTH** July 23, 1968 Zalaegerszeg (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<sub>2</sub>/LaF<sub>3</sub>....)  
Fullerene-like structure in thin films (C, CN<sub>x</sub> and CP<sub>x</sub>, MoS<sub>2</sub>, WS<sub>2</sub>....)  
Hard materials: WC, MAX-phases, ScAlN, TiAlN, VAIN solid solutions and phases  
Wide band gap semiconductors and conductive oxides (sp<sup>2</sup>-BN, SiC, ZnO)  
apatites, electrodeposited Ni, ceramic dispersed steels and WBC 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  
Pócsa 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** 113 reviewed papers;  $\Sigma$ IF = 300; more than 2700 citations; Hirsch index =30