

CURRICULUM VITAE

NAME Zsolt Czigány

ADDRESS Center for Energy Research; HAS
Institute for Technical Physics and Materials Science
Konkoly-Thege Miklós út 29-33, H-1121 Budapest, Hungary
Phone: +36-1-3922222/1755
Fax: +36-1-3922226
E-mail: czigany.zsolt@energia.mta.hu

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, MgF₂/LaF₃....)
Fullerene-like structure in thin films (C, CN_x and CP_x, MoS₂, WS₂....)
Hard materials (e.g. WC, MAX-phases) and ScAlN solid solutions and phases....
Wide band gap semiconductors and conductive oxides (sp²-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
Póczy 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 Coatings

PUBLICATIONS 94 peer-reviewed papers; ΣIF = 220; more than 2000 citations