Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)	**Kőházi-Kis, Ambrus**
Address(es)	Vasvári Ferenc str. 14. 6000 Kecskemét Hungary
Telephone(s)	+36/76/516436 Mobile: +36-20-4640787
Email(s)	kohazi-kis.ambrus@gamf.kefo.hu
Nationality(-ies)	Hungarian
Date of birth	Decembre 13, 1966
Gender	male

Education

1986–1991	Physicist, Eötvös Lóránd University, Budapest, Hungary

Master Thesis

• Title	*Above-threshold multiphoton photoelectric effect of a gold surface*
• Supervisors	Prof. Győző Farkas
• Date	1991.
• Description	I made experimental research on multiphoton photoelectric effect on a gold surface.

Ph.D. Dissertation

• Title	*Applications of a Gaussian light beam model to design of femtosecond lasers and to description of cross-polarization effects*
• Supervisors	-
• Date	2005.
• Description	I made experimental and theoretical investigation of phase-modulated laser dielectric mirrors, of laser resonators of Ti:sapphir femtosecond lasers, and of the optical cross-polarization effects.

Experience

2016–present	college professor Pallasz Athéné University H-6000, Kecskemét, Izsáki str. 10.
2010–2016	college professor Kecskemét College H-6000, Kecskemét, Izsáki str. 10.
2006–2010	college associate professor Kecskemét College H-6000, Kecskemét, Izsáki str. 10.
2001–2006	college senior lecturer Kecskemét College H-6000, Kecskemét, Izsáki str. 10.
1999–2001	designing engineer TRAKIS Kft. H-2750 Nagykőrös, Kossuth Lajos str. 76.
1997–1998	assistant research fellow R&D Ultrafast Lasers Kft. H-1121 Budapest, Konkoly-Thege M. str. 29-33.
1995–1997	college senior lecturer College of Mechanical Engineering and Automation, H-6000 Kecskemét, Izsáki str. 10.
1992–1995	assistant research fellow Central Research Institute for Physics H-1121 Budapest, Konkoly-Thege M. str. 29-33.
1991–1992	college assistant lecture College of Mechanical Engineering and Automation, H-6000 Kecskemét, Izsáki str. 10.

Languages

Mother tongue(s) **Hungarian**

Self-assessment
European level(⋆)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	B1 Independent user
German	A2 Basic user	A2 Basic user	A1 Basic user	A1 Basic user	A1 Basic user

(⋆) *Common European Framework of Reference (CEF) level*

Computer skills

OS	Linux, Windows
Programming	JAVA, C/C++, Pascal
Scientific	SciLab, Autocad, QtiPlot, Maple, MathCad
Word processing	LaTeX, Lyx, Microsoft Office, Libre Office

Interests

Adventure sports	I like practicing adventure sports like swiming and jogging.
Entertainment	I love folk music.

Publications

Number of published papers and citations

There are 13 papers published in referenced international journals, that have been cited 213 times (without self-citations).

The most relevant references

[1] Farkas Győző, Tóth Csaba, Kőházi-Kis Ambrus, "Above-threshold multiphoton photoelectric effect of a gold surface", Optical Engineering, 32, 2476-2480 (1993).

[2] R. Szipőcs, A. Kőházi-Kis, "Theory and design of chirped dielectric laser mirrors", Appl. Phys. B 65, 115-135 (1997).

[3] Farkas Győző, Tóth Csaba, Kőházi-Kis Ambrus, Pierre Agostini, Philipp Martin, Jean-Marie Berset, Jean-Marie Ortega: "Infrared electron emission from a gold surface", J. Phys. B 31, L461-L468 (1998).

[4] R. Szipőcs, A. Kőházi-Kis, S. Lakó, P. Apai, A.P. Kovács, G. Debell, L. Mott, A.W. Louderback, A.V. Tikhonvarov, M.K. Trubetskov, "Negative dispersion mirrors for dispersion control in femtosecond lasers: chirped dielectric mirrors and multi-cavity Gires-Tournois interferometers", Appl. Phys. B 70, S51–S57 (2000).

[5] Kőházi-Kis Ambrus, "Cross-polarization effects of light beams at interfaces of isotropic media", Optics Communications, 253, 28-37 (2005).

[6] M. Csete, A. Kőházi-Kis, Cs. Vass, Á. Sipos, G. Szekeres, M. Deli, K. Osvay, and Zs. Bor, „Atomic force microscopical and surface plasmon resonance spectroscopical investigation of sub-micrometer metal gratings generated by UV laser-based two-beam interference in Au-Ag bimetallic layers", Applied Surface Science, 253, 7662–7671 (2007).

[7] M. Csete, A. Kőházi-Kis, V. Megyesi, K. Osvay, Zs. Bor, M. Pietralla, and O. Marti, „Coupled surface plasmon resonance on bimetallic films covered by sub-micrometer polymer gratings", Organic Electronics, 8, 148–160 (2007).

[8] H. Tóháti, Á. Sipos, G. Szekeres, A. Mathesz, A. Szalai, P. Jójárt, J. Budai, Cs. Vass, A. Kőházi-Kis, M. Csete, and Zs. Bor, „Surface plasmon scattering on polymer-bimetal layer covered fused silica gratings generated by laser induced backside wet etching", Applied Surface Science, 255, 5130–5137 (2009).

[9] Sipos, Á., Tóháti, H., Mathesz, A., Szalai, A., Budai, J., Deli, MA., Fülöp, L., Kőházi-Kis, A., Csete, M., Bor, Zs., „Effect of Nanogold Particles on Coupled Plasmon Resonance on Biomolecule Covered Prepatterned Multilayers", Sensor Letters, 8, 512-520 (2010).

[10] A. Kőházi-Kis, J. Klebniczki, M. Görbe, P. Nagy, „Study of tunable resonances in laser beam divergence and beam deflection", SPIE Photonics Europe 2012, Brüsszel; SPIE Paper Number: 8433-9 (2012).