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Past employment:

2010.02.01 – 2010.12.31 - University of Warsaw, Interdisciplinary Centre for Mathematical and Computational Modelling,
Pawinskiego 5a, 02-106 Warsaw, Poland.

Education:

- 1 2005 – 2009 University of Warsaw, Faculty of Physics
 - PhD in Physics magna cum laude, December 14th, 2009
 - specialisation: optics
 - thesis title: Impact of metalized probe nanostructure on the resolution of scanning near-field optical microscopes (original text in Polish).
- 2 2000 – 2005 University of Warsaw, Faculty of Physics
 - MSc in Physics, June 14th, 2005
 - specialisation: fourier optics and information processing
 - thesis title: Propagation of electromagnetic waves in a dielectric with nanowire inclusions (original text in Polish).

Journal publications:

1. T.J. Antosiewicz, W.M. Saj, J. Pniewski, T. Szoplik, „Optimization of optical transmittance of layered metamaterial on active pairs of nanowires,” *Optics Express* **14**, 3389-3395 (2006).
2. N.P. Johnson, A.Z. Khokhar, H.M. Chong, R.M. De La Rue, T.J. Antosiewicz, S. McMeekin, „A review of size and geometrical factors influencing resonant frequencies in metamaterials,” *Opto-Electronics Review* **14**, 187-191 (2006).
3. W.M. Saj, T.J. Antosiewicz, J. Pniewski, T. Szoplik, „Energy transport in plasmon waveguides on chains of metal nanoplates,” *Opto-Electronics Review* **14**, 243-251 (2006).
4. T.J. Antosiewicz, T. Szoplik, „Description of near- and far-field light emitted from a metal-coated tapered fiber tip,” *Optics Express* **15**, 7845-7852 (2007).
5. T.J. Antosiewicz, T. Szoplik, „Corrugated metal-coated tapered tip for scanning near-field optical microscope,” *Optics Express* **15**, 10920-10928 (2007).
6. T.J. Antosiewicz, T. Szoplik, “Corrugated SNOM probe with enhanced energy throughput,” *Opto-Electronics Review* **16**, 451-457 (2008).
7. A. Sagan, T.J. Antosiewicz, T. Szoplik, “Three filters for visualization of phase objects with large variations of phase gradients,” *Applied Optics* **48**, 1143-1152 (2009).
8. P. Wróbel, J. Pniewski, T.J. Antosiewicz, T. Szoplik, “Focusing radially polarized light by concentricly corrugated silver film without a hole,” *Physical Review Letters* **102**, 183902 (2009).
9. T.J. Antosiewicz, P. Wróbel, T. Szoplik, “Nanofocusing of radially polarized light with dielectric-metal-dielectric probe,” *Optics Express* **17**, 9191-9196 (2009).
10. T.J. Antosiewicz, P. Wróbel, T. Szoplik, “Magnetic field concentrator for probing optical magnetic metamaterials,” *Opt. Express* **18**, 25906-25911 (2010).
11. T.J. Antosiewicz, P. Wróbel, T. Szoplik, “Performance of scanning near-field optical microscope probes with single groove and various metal coatings,” *Plasmonics* **6**, 11-18 (2011). DOI: 10.1007/s11468-010-9163-6
12. R. Kotyński, T.J. Antosiewicz, K. Król, K. Panajotov, "Two-dimensional point spread matrix of layered metal-dielectric imaging elements," *J. Opt. Soc. Am. A* **28**, 111-117 (2011)
13. P. Wróbel, T.J. Antosiewicz, J. Pniewski, T. Szoplik, “Single-layer metal nanolenses with tight foci in far-field,” *Appl. Phys. A* **103**, 821-825 (2011), DOI: 10.1007/s00339-010-6221-z
14. Tomasz J. Antosiewicz, S. Peter Apell, Virginia Claudio, Mikael Kall, „A simple model for the resonance shift of localized plasmons due to dielectric particle adhesion,” *Opt. Express* **20**, 524-533 (2012).