

FRIED, Miklós

Masters degree (1982) and PhD (1985) in physics (Roland Eötvös University, Budapest), DSc (2005, Doctor of Hungarian Academy of Sciences). Head of Department of Photonics in Res. Inst. for Technical Physics and Materials Science (earlier Central Research Institute for Physics), Budapest.

Main field: Investigation of surface modification of materials by ellipsometry and ion backscattering spectrometry.

Common research work with Dutch (MESA Research Institute, University of Twente, Enschede, The Netherlands, 1995-98) and German (Lehrstuhl für Elektronische Bauelemente der Friedrich-Alexander Universität Erlangen-Nürnberg, Germany, supported by the Volkswagen-foundation, 1997-99) groups.

Hungarian project-leader of the RESPECT-COPERNICUS (REal-time evaluation of SPECTroscopic data) multilateral (Dutch, Hungarian, Czech) EU-cooperation. The project aimed real-time evaluation of spectroscopic measurement data, in particular in case of Spectroscopic Reflectometry and Ellipsometry. The work was finished successfully in 1998. Hungarian project-leader of the E450EDL „European 450mm equipment demo line”, (ENIAC ECSEL JSU, 2013-16) MFA and the SEA4KET „Semiconductor Equipment Assessment for Key Enabling Technologies” (FP7-ICT-2013-10-611332, 2013-16) projects

Co-chairman (Chairman of Program Committee) of the "3th International Conference on Spectroscopic Ellipsometry (6-11 July 2003 Vienna, Austria)" and the E-MRS Spring 2012 - Symposium W “Current Trends in Optical and X-Ray Metrology of Advanced Materials for Nanoscale Devices III” and guest-editor of Thin Solid Films different volumes.

Co-author of 200+ scientific publications of which more than 1400 independent citations appeared:

<https://vm.mtmt.hu/search/tmtosztaly.php?lang=0&vanlink=1&ponton=&AuthorID=10000137>