

Géza Várady, PhD

egyetemi docens

Pécsi Tudományegyetem
Műszaki és Informatikai Kar
Széchenyi István Egyetem



Studies

- 2010 - CISCO CCNA1-4
- 2008 - Phd , 8th Jan. 2008 (summa cum laude, 100%) Number of certificate: 7/2008. University of Pannonia, Doctoral School of Information Technology
- 2006 - Presentation of first version of the PhD dissertation
- 2002 - CA Universal TNG operator, basic level
- 2001 - PhD student from this date. Theme:
Defining mesopic sensitivity functions with the help of contrastthreshold experiments, modelling with consideration of chromatic channels

Information Technology Engineer (excellenet grade) Faculty of Engineering,
University of Veszprém

6 months scholarship at the Technical University of Ilmenau (Technische Universität Ilmenau, Fakultät für Maschinenbau, Ilmenau, Germany)

- 2000 - Basic level Operator
(Office apps, networks), Pécs
- 1995 - Le wey Klára Secondary School, Special German Faculty, Pécs

Teaching, positions

- 2009 - Head of Department, op. Head of School, associate professor, University of Pécs, Faculty of Engineering and Information Technology, Department of Information Technology
- 2008 - Department leader assistant, associate professor University of Pécs, Faculty of Engineering and Information Technology, Department of System and Software Technology
- 2006 - 2007 Assistant professor, University of Pécs, Pollack Mihály Faculty of Engineering, Department of Information Technology
Subjects:
Introduction to IT, Computer Architectures, Computer Networks, Systems optimized for business environments (IBM)
- 2000 - 2006 University of Pannonia – Faculty of Information Technology – Department of Image Processing and Neurocomputing: Photometry and vision, PHP, MySQL, Interbase, Linux shell scripting, Perl

Research and development projects

- 2017 - Leader of the “Smart Cities – Drone project” – EFOP 3.6.1. “Institutional Development of Smart Specialization”
- 2013 - 2014 University side dept. coordinator, leader of the ViTOM (Virtual Space and Object Presenter) GOP-1.1.1-11-2012- 0011 project
- 2013 - 2015 Researcher, TÁMOP 422C “Supercomputer, the National Virtual Laboratory” project
- 2012 - 2014 Leader of the “Smart Building – Drone Project”, faculty head of project, member of the “Ragweed detection” project - SROP-4.2.2.C-11/1/KONV-2012-0005 Well-being in the Information Society
- 2011 - 2013 Course material developer, TÁMOP 412A “Multiprocessor systems in engineering”
- 2008 Cooperation of Hungarian Post and University of Pécs - Development of Electronic Tools for Postal Technology
References: Dr. Lajos Szakonyi, head of department, PTE PMMK MIT, Zoltán Szigeti, Business development manager , Hungarian Post, Pécs.
- 2006 Researcher in a R&D project in field of quality assurance of lighting technology production.
Task: developing and auditing quality assurance methods for in-production.
14 weeks Leonardo da Vinci researcher scholarship at Schefenacker Vision Systems GmbH. (Schwaikheim). The project ended with success.
References: Dr. Veit Schwegler, head of lighting lab, Dr. Dagmar Würtenberger, head of R&D group.
- 2002 - 2015 EU MOVE (Mesopic Optimisation of Visual Efficiency) project, financed by the fifth frame programme of the EU (G6RD-CT-2001-00598)

Experiment designer and leader:

- guiding of 13 people
- Communication, reports and publication with 5 partner institutes

The project ended with success in 2005. More details at the CIE TC 1.58 homepage: <http://www.lighting-lab.fi/CIETC1-58/>

References: Prof. Dr. János Schanda, prof. emeritus, University of Pannonia Egyetem, VIRT

- 1999 - 2001 Developing multimedia software at Klaus Jakob Messtechnik AG (KJM AG, Mörlenbach, Germany) Tasks:
 - Project coordination
 - Lead programmer (C++, SQL)
 - Interface designer

References: Klaus Jakob, Klaus Jakob Messtechnik AG

Community work, research team memberships

- 2011, 2010, 2009
 - Member of Lighting Society of Hungary (VTT)
Member of Strategic board of the faculty (PTE PMMK)
MTA PAB (Hungarian Academy of Sciences) HPC
Workgroup - Secretary
 - MTA PAB Commission on Technology and Geology – Group of IT – member
 - PTE - SP! IKT HPC Group - Member PTE - Fifth PhD Symposium organizer
 - PTE - Murphys5 - 5th International Workshop on MULTI-RATE PROCESSES & HYSTERESIS in Mathematics, Physics, Engineering and Information Sciences – organizer
 - XXIX. OTDK Engineer Educator School – head of jury (2009)
- 2008
 - Teacher in Boarding School of the faculty (PTE PMMK Juhász Jen Szakkollégium)
 - PTE - Fourth PhD Symposium organizer
- 2007
 - Member of the IT board of the University (PTE)
 - PTE – member of the IT reference group of ICEE 2008 conference, editor of the proceedings
 - PTE - Third PhD Symposium organizer
- 2006
 - PTE - Second PhD Symposium organizer
- 2000 - 2005
 - University of Veszprém, Faculty of Information Technology, Faculty Board member

Awards

- 2011 - IBM Faculty Award – Adaptive lighting system - research
- 2009 - „Walsh Weston Award” – Award of the international light and lighting community (2007 LR&T papers)
- 2008 - PTE Excellence Publication Award (2007 LR&T papers)

Research interests

- Mesopic vision, vision, vision models, spectral vision, lighting, intelligent lighting systems, machine vision

Technical knowledge

- Computer knowledge:
OOP, C/C++ (Borland Builder, MS VS), PHP, Perl, Linux shell scripting, PowerShell, Director
Interbase, MySQL, Linux (admin) , Win (user), Cisco CCNA1-4
Office tools: MS Office (intermediate level) Mathematical tools: MS Excel Solver, SPSS, MATLAB
- Networks:
Ethernet LAN design, maintenance