Zoltán Nagy

Date of birth: 15/11/1975

Nationality: Hungarian

CONTACT

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WORK EXPERIENCE

2010 – CURRENT Budapest, Hungary

Associate Professor Pázmány Péter Catholic University, Faculty of Information Technology and Bionics

Lecturing: FPGA-based Algorithm Design, Digital Systems and Computer Architectures, Parallel Computer Architectures
Supervising graduate students
Participation in research projects, preparation of technical parts of research project applications and project proposals
Accelerating image processing algorithms related to the "Bionic eyeglass" project running on the university
Accelerating bioinformatics appications (protein sequence comparison and alignment, biological motif search) on FPGA

2007 – 2016

Senior Research Fellow Cellular Sensory and Wave Computing Laboratory, Computer and Automation Research Institute, HAS

Research: Emulated digital CNN-UM architectures
Supervising graduate students
Participation in research projects, preparation of technical parts of research project applications and project proposals
Acceleration of modeling of complex physical phenomenons on FPGA
Designing on-board image processing systems for Unmanned Aerial Vehicles

2003 – 2007 Veszprém, Hungary

Assistant Professor University of Pannonia, Department of Image Processing and Neurocomputing

Lecturing: Digital Systems and Computer Architecture, High-level Synthesis method for programmable devices
Research: Emulated digital CNN-UM architectures
Solution of Partial Differential Equations on FPGAs
Supervising graduate students
Participation in research projects, preparation of technical parts of research project applications and project proposals

EDUCATION AND TRAINING

2000 – 2003

PhD schoolarship University of Pannonia, Faculty of Information Technology, Doctoral School of Information Science

PhD thesis: Implementation of emulated digital CNN-UM architecture on programmable logic devices and its applications

National classification PhD

LANGUAGE SKILLS

MOTHER TONGUE(S): Hungarian

Other language(s):

English

Listening B2	**Spoken production** B2
Reading B2	**Spoken interaction** B2
Writing B2	

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user