

Professional Curriculum Vitae

Personal data

Birth place, time
Nationality
E-mail address

Ajka, 11. 13. 1963.
Hungarian
E-mail: jozsef.mathe@hexium.hu

Studies

1978-1982.
1983-1988

High School diploma, Lovassy Laszlo High School (Veszprem)
Electrical engineer diploma, Budapest University of Technology, Faculty of Electrical Engineering

Language

English

Work place

1988-
1992-1993
1993-1996
1996-2000
2000-

Budapest University of Technology and Economics, Department of Experimental Physics; Faculty Engineer
INTEK Ltd., Development Office; Hardware Engineer
ElektroTop Ltd.; Hardware Engineer
HEXIUM Technical Development Co., Ltd.: Head of hardware engineers
HEXIUM Technical Development Co., Ltd.: Technical Manager

CAD systems

OrCAD, Mentor Graphics DxDesigner and ExpeditionPCB Microcap, pSpice

Publications

1998. September
1998. September
1998. July
1998. April

Touch Memory II.; Application Possibilities
József Máthé, Péter Ladányi, dr. Tamás Nagy, Tamás Patkó
Compression of Moving Images; Magyar Biztonságtechnika Professional publication
Péter Ladányi, Tamás Patkó, dr. Tamás Nagy, József Máthé
Compression of Digital Images; Magyar Biztonságtechnika Professional publication
Péter Ladányi, Tamás Patkó, dr. Tamás Nagy, József Máthé
Bases of the Digital Video Technology; Magyar Biztonságtechnika Professional Publication
Péter Ladányi, Tamás Patkó, dr. Tamás Nagy, József Máthé

Patents

1998
1999
1999
2000

Remote monitoring data collection system operating on a radiotelephone Network
System for measuring electricity
Method for preventing unauthorized usage of a telephone line
Electronic writing device and method for generating an electronic signature

R+D projects

1988-1994

1988-
1990-1998
1998-
2000-

Researching and developing temperature sensors (pyro electronic detector), temperature measuring instruments without touching, planning and developing instruments which are capable of measuring the performance and the energy of the infrared radiation
Planning measuring for Physic Laboratories for educational purposes
Developing medical biology instruments
Developing fire and security protection instrument.
Applications of Digital image processing mainly in the framework of the IKTA tender:
Triclops HW-SW system-3D surface modeling (IKTA -00019/2000)
Multifunctional vehicle registering sensor systems based on 3D space reconstruction (IKTA-00128/2000)
Intelligent autonomous camera module with embedded high performance image processing (IKTA-00191/2000)
Developing original signature recognizer and identifier instrument (IKTA-00088/2001)
Intelligent fire prevention camera system (IKTA-00040/2002)
Autonomous access terminals based on voice recognition (IKTA-00103/2002)

Other accomplishments

2004-2005
2003-2007

Directing the hardware works of the PiroStop fire prevention system
Project management of important projects: UNOV's LPR based vehicle access control system, ASFINAG's Internes Enforcement and Videomaut system, Croatian NBMIS project