

Curriculum Vitae

Michal PAVEL

CURRENT POSITION

Name of company

AŽD Praha s.r.o.

Job position

Chief Researcher

PROFESSIONAL BACKGROUND

- Started his professional carrier in 1984 in R&D of electronic VLSI, Gate Array and PCB test systems at VUMS (Research Institute for Mathematical Machines), continued development positions in control and measurement;
- Since 1993 in R&D of telecom wired and optical PDH, SDH, HDSL systems, designing 16 – 32 bit SBCs and managing development projects in TTC TESLA Telecoms
- Since 2002 project management in R&D of medical technologies in BTL Medical Technologies
- Since 2003 started his career in R&D of railway signalling in AŽD Praha, focussing on control, networks and safety validation.
- Several engineering management positions in AŽD:
 - since 2003 Project Manager,
 - since 2004 R&D Sector Manager,
 - since 2010 Verification & Validation Department Manager
 - Since 2015 Chief Researcher and European Research Projects Department Manager
- Also represented AŽD and worked in different WGs of UNISIG and UNIFE since 2004.
- Participation/contribution to many different national education courses as a lecturer and mentor for students and professionals; Diploma graduate thesis consultant and examiner
- Currently as a Chief Researcher manages and coordinates AZD Praha partnerships in international and national research projects, also responsible for the management of participation of AZD Praha in the Shift2Rail JU.

EDUCATION AND TRAININGS:

- Czech Technical University (CTU) in Prague, Faculty of Nuclear Science and Physical Engineering – graduated in 1984 as Dipl. Ing. in Physical electronics
- Post-graduate courses in Programming, Advanced Logic and Systems Diagnostics, 1985 – 87, VUMS, CTU Prague
- HDSL line systems practise course, 1995, Marconi S.p.a., Genoa, Italy
- Architecture and programming Power PC course, 2004, HILF GmbH, Munich, Germany

EXTRAS:

Some recent publications:

1. Kačmařík P., Veselý K., Pavel M.: Critical Safety Aspects of a GNSS Based Virtual Balise for ETCS, paper and presentation, World Congress on Railway Research, Milano 2016

2. Pavel M., Hokeš J., Kolář P.: C-ITS enabled railway level crossings to enhance protection of car drivers and passengers, poster at TRA, Vienna 2018
3. Pavel M., Kolář P., Hokeš J.: How to effectively utilize C-ITS technology on level crossings, paper and presentation, KDI conference, Litomyšl, Czechia, 2018
4. Pavel M.: C-ITS technology verification on level crossings, paper and presentation, KDI conference, Litomyšl, Czechia, 2020
5. Pavel M.: C-ITS technology deployment on level crossings, presentation, URBIS Smart City conference, Brno, Czechia, 2021

Place: Prague

Date: 15th December, 2021

Michal Pavel