Curriculum Vitae

PAVEL Michal

CURRENT POSITION

Name of company	Job position
AŽD Praha s.r.o.	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;
- Since 2002 project management in R&D of medical technologies;
- Since 2003 in R&D of railway signalling in AZD Praha, focussing on control, networks and safety validation. Went through different managerial positions, also worked in different WGs of UNISIG and UNIFE. Participating in different national education courses as a lecturer and mentor for students and professionals;.
- Currently as a Chief Researcher manages and coordinates AZD Praha partnerships in international and national research projects. Currently responsible for 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. Pavel M., Kačmařík P., Diviš A.: Improving safety with E-GNSS on Czech regional lines, presentation, European Space Solutions conference, Praha 2014
2. 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
3. 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
4. Pavel M., Kolář P., Hokeš J.: How to effectively utilize C-ITS technology on level crossings, paper and presentation, KDI conference, Litomyšl, Czechia, 2018