

**Laboratory Name:** Future Mobility Technologies Laboratory

**Company:** AVL Research and Engineering

**Laboratory Manager:** Serkan Impram

**Laboratory Manager Short Biography:**

Academic Background:

Ph.D. / University of Manchester, England / Nonlinear Robust Control / (2000)

M.Sc / University of Manchester, England / Advanced Control / (1997)

B.Sc / Boğaziçi University / Engineering Faculty / Electrical&Electronics Engineering / (1996)

Business Experience:

Managing Director, AVL Research and Engineering, (15.04.2009-)

Simulator Development and System Integration Unit Manager, KaTron, (2008 - 2009)

Electronic Product Development Manager, Takosan, (2005 - 2008)

R&D Engineer, Magnetek SpA, Italy, (2002 - 2004)

Research Fellow, University of Florence, Italy, (2001)

Araştırma Görevlisi, Lisbon Technical University, Portugal, (2001)

Patents and Publications – Last 3 year

- Patent TR 2009 05035 B, "Araç Sürüş Yardımcısı"
- Functional Safety Aspects of HEV Controls Development, IEEE International Conference on Vehicular Electronics and Safety, 2012
- Boost Pressure Control for a Large Diesel Engine with Turbocharger, American Control Conference, 2014
- Adaptive Internal Model Control for Air-Fuel Ratio Regulation, IEEE Intelligent Vehicles Symposium, 2014
- Air-Fuel Ratio Regulation Using Discrete Time IMC, International IEEE Conference on Intelligent Transportation Systems, 2014

**Research Area:** Advanced research and technology development activities in the area of future electric mobility including ADAS and autonomous driving features.