
Curriculum vitae**Dr. Jürgen Kosel, Professor of Electrical Engineering**

Personal data

Date of Birth: 11.02.1977
Nationality: Austria

Education

7/2002 – 5/2006 **Vienna University of Technology**, Inst. of Fundamentals and Theory of Electrical Engineering. Doctor in Electrical Engineering, Graduated with honours.
Thesis: „Magnetoelastic Bilayer Sensors of highest sensitivity“.

10/1997 – 6/2002 **Vienna University of Technology**, Electrical Engineering Master’s studies. Graduated with honours.
Thesis: „Electrical Concentration and Detection of Microorganisms“

Experience

Since 6/2015 **King Abdullah University of Science and Technology, Associate Professor of Electrical Engineering**. Division of Computer, Electrical and Mathematical Sciences and Engineering. PI of Sensing, Magnetism and Microsystems Group.

4/2016 – 4/2017 **CSO of Solutions for Nanotechnology**, King Abdullah University of Science and Technology.

6/2009 – 5/2015 **King Abdullah University of Science and Technology, Assistant Professor of Electrical Engineering**. Division of Computer, Electrical and Mathematical Sciences and Engineering. PI of Sensing, Magnetism and Microsystems Group.

9/2007 – 4/2009 **University of Stellenbosch**. Department of Mechanical and Mechatronic Engineering Biomedical Engineering Research Group. Postdoctoral researcher.
Research activities: Bio-MEMS for HIV detection, kinematics and mechanics of knee joint and prosthesis, magnetic micro wires for stress measurements in body tissues, physical effects of negative pressure wound therapy in plastic surgery.

6/2006 – 8/2007 **Project Manager Mechatronics at MAGNA Powertrain** through IVM Technical Consultants Vienna.
Main activities: Project Management in an automotive development project, diagnostic system, requirements analysis and management, establishment of new standards.

7/2002 – 5/2006 **Vienna University of Technology, Research Assistant** at the Inst. of Fundamentals and Theory of Electrical Engineering.
Main activities: Development of magnetoelastic bilayer sensors, testing, material research and investigation, modelling and simulation, electronics development, signal establishment, assisting the administration of the EC-project B-Sens

8/2005 – 9/2005 **CSIC in Madrid, Spain, Visiting Scientist** at the Instituto de Ciencia de Materiales de Madrid;

6/2001 – 6/2002 Main activities: Development of new magnetoelastic bilayer
production techniques based on electroplating
Vienna University of Technology, Research Student at the Inst. of
Fundamentals and Theory of Electrical Engineering
Main activities: Research in the field of bioelectricity.

Scientific and Professional Memberships

Senior Member, IEEE
Associate Editor of IEEE Sensors Journal
Associate Editor of IEEE International Journal on Smart Sensing and
Intelligent Systems
AdCom Member IEEE Sensors Council
AdCom Member IEEE Magnetics Society
Member, IEEE Magnetics Society
Member ASME
Member, Vienna Magnetics Group