

Curriculum Vitae
Sándor DÓRA



E-mail: doras@freemail.hu
Nationality: Hungarian
Place and date of birth: Budapest 27th January 1976

Professional experiences:

- 2005 - **Software developer engineer** – Inter-CAD Kft. (Ltd.), Hungary
Development of the *AxisVM* civil engineering finite element modeller and analysis software: improvement of the numerical solver, development of finite element based calculation of cross sectional properties, programming for the visual user interface
- 2000 – 2010 **PhD student** (2000-2003), **Assistant lecturer** (2003-2006), **Research assistant** (2006-2010) – BUTE, Department of Chassis and Lightweight Structures
- 1999 – 2000 **Professional practice** – Steyr Daimler Puch, Engineering Center Steyr, Austria
Fatigue life calculation of vehicle components using *IDEAS* ms6a pre- and postprocessor, *NASTRAN* 70.5 solver and *FEMFAT* 4.1 fatigue simulation program based on finite element modelling, making documentation of results.
- 1998 **Professional practice** – North American Bus Industry (NABI), Hungary
I spent a one month long internship at the company and built the finite element shell model of the side frame of a low floor bus using *ANSYS* Linear Plus software.

Education:

- 2000 – 2003 **PhD course** – BUTE, Faculty of Transportation Engineering, Branch of Science of Vehicles and Mobile Machines, Department of Chassis and Lightweight Structures
Research theme: Modelling of Excitations and Fatigue of Vehicle Structures
- 2000 **Master's degree in Mechanical (Automotive) Engineering** – BUTE, The title of my thesis: Determination of the Global Deformations of a Low Floor Bus
- 1994 – 1999 **Budapest University of Technology and Economics**, Faculty of Transportation Engineering, Branch of Mechanical (Automotive) Engineering
- 1990 – 1994 **Csonka János Technical Secondary School**, Budapest, (car mechanic and car electricity professions)

Scientific activities:

- 2001 - **Articles published in journals and in conference proceedings**
List of publications: <http://www.doras.freeweb.hu/publ.htm>
- 1998, 1999 **Scientific Student Conferences** – BUTE, Faculty of Transportation Engineering
Succeeding: three times first and once third place, one rector's prize

Skills and other certifications:

- Programming skills: Pascal / Delphi,
Assembly programming of the Intel 8051 microcontroller family
- Other computer skills: AxisVM, AutoCAD, I-DEAS, NASTRAN, FEMFAT, Autodesk Inventor, Windows, Word, Excel, PowerPoint, FrontPage, Corel Photo-Paint
- Mother tongue: Hungarian
- Other languages: English, intermediate (conversational level, facility for publication and presentation)
- Driving licences: category A (motor cycle) since 2006, category B (passenger car) since 1993
- Other certifications: SILVA mind control basic lecture series

Other information:

Hobbies: electronics, electricity, motor cycling (Suzuki Bandit 400), gardening, sport (football), reading (cosmology, natural science), playing synthesizer