

# Curriculum Vitæ

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## Markus Ambros

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*“Thinking is the hardest work there is, which is probably the reason why so few engage in it.” - Henry Ford*

## Personal Data

Name Ing. Dipl-Ing. Markus Ambros, BSc  
Address Kalvarienbergstraße 16/8, 8020 Graz, Europe/Austria  
Telefon +43 660 4026785  
E-Mail markus.ambros@ambros.at  
Birthday 15. Juni 1981 in Wagna at Leibnitz  
Nationality Austria  
Marital status Married  
Military service 2000  
Driving licenses A,B

## Professional Experience

- since 2017 **Self-employed, XEN4M e.U., Graz.**  
Full-time self-employment in the area of consulting engineering/technology and IT-Development. Beginning of 2019/Q1 engineering consultant in mechanical and systems engineering.
- since 2016 **Manager, Mechanical plant engineering, ANDRITZ AG, Graz-Andritz.**  
Leading a group of more than 20 employees in mechanical plant engineering for the areas Paper&Board, Tissue, Pulp Drying and Non-Woven. Technical discipline leader for the area Paper&Board. Practice in workload planning, standardisation, lesson's learned activities, project calculation, application procedures, training of employees, etc.
- 2007 – 2016 **Mechanical plant engineer, ANDRITZ AG, Graz-Andritz.**  
Pulp and paper industry, in addition in charge of piping standards and CAD-coordination, e.g. AVEVA PDMS.
- 2005 – 2007 **Supervisor and site manager, ANDRITZ AG, Graz-Andritz.**  
Site assembly for pulp and paper industry as well as hydro- and nuclear power industry. International field of activity, e.g. five months in Chile and eight months in Uruguay.
- 2001 – 2005 **Mechanical fitter, ANDRITZ AG, Graz-Andritz.**  
Workshop assembly, service und site assembly in Germany, Switzerland, Italy, Scandinavia, Estonia, Great Britian, France, USA, Malaysia, etc. for the division pulp and paper
- 1996 – 2000 **Apprentice, ANDRITZ AG, Graz-Andritz.**

## Education

- 2011 – 2013 **Graduate engineer, FH CAMPUS02 Fachhochschule der Wirtschaft, Graz.**  
Master degree program in automation technology - business, extra occupational.

- 2008 – 2011 **Bachelor of Science**, *FH CAMPUS02 Fachhochschule der Wirtschaft*, Graz.  
Bachelor degree program in automation technology with focus in simulation technology,  
extra occupational.
- 2001 – 2005 **Engineer**, *Technical college in mechanical and systems engineering*, Graz-Göding.  
extra occupational.
- 1996 – 2000 **Apprenticeship**, *Professional school*, Graz-St.Peter.  
Mechanical fitter in dual education.

## Languages

German	Mothertounge	
English	Comprehension B2, Speech B2, Writing B2	CEFR
Spanish	Basic knowledge	
Russian	Basic knowledge	

## IT Competencies

CAD	Autodesk AutoCad Mechanical 2015, Power-User
CAD	Autodesk Inventor, basics
CAD	SolidWorks 2012, advanced knowledge
CAD	AVEVA PDMS 12.1.SP5, Power-User in all modules, PML and .NET (C#) knowledge
CAD	COMOS PT, basics
CFD	ANSYS CFD, advanced knowledge
CFD	OpenFOAM, basics
PDM	Autodesk Vault Colloboration, advanced knowledge
ERP	SAP ERP 6.0, advanced knowledge
Misc.	Microsoft Office 2016, Power-User
Misc.	Text processing with L <sup>A</sup> T <sub>E</sub> X, advanced knowledge
Misc.	Mathworks Matlab, basics

## Professional Training and Courses

- 1999 Crane driving license
- 2003 Trainings in vibration measurement technologies and diagnostics, basic
- 2004 Trainings in vibration measurement technologies and diagnostics, advanced
- 2005 Trainings in radiation protection for nuclear power plants
- 2006 Forklift driving license
- 2006 Spanish language course in Uruguay, 5 months
- 2007 Course in paper technology for technicians, 3 weeks
- 2007 Basic course for plant engineering software AVEVA PDMS, 2 weeks
- 2012 Russian language course in Austria, 4 months
- 2016 Papierzentrum Gernsbach, Focus on approach flow / wire section
- 2016 tecTraom. MS Office Toolbox - Tricks and tips for work

2016 VDI Wissenforum, Welded constructions  
regularly Internal continuing education in the topics quality management, SAP, standards,  
CE-Certification, etc.

## Interests

- since 2007 Website-Design
- since 2007 Administration of website [www.pdms.at](http://www.pdms.at)
- since 2008 Programming in C# and Python
- since 2008 Text processing with L<sup>A</sup>T<sub>E</sub>X
- since 2012 Flow simulations with OpenFOAM

## Publications

### Thesis

- 06/2005 Markus Ambros, Andreas Jud, Christian Lang. **Vollautomatische Stanz- und Ösenpressmaschine für die Textilverarbeitung.** HTBLA Graz Gösting.
- 02/2011 Markus Ambros. **Schwingungsmessung und Auswertung von 3D-Beschleunigungssensoren für die Zustandsüberwachung von Arbeitsmaschinen.**  
FH CAMPUS02 Fachhochschule der Wirtschaft.
- 06/2011 Markus Ambros. **Simulation einer Mehrphasenströmung im Bereich der Papier- und Zellstoffindustrie.**  
FH CAMPUS02 Fachhochschule der Wirtschaft.
- 11/2012 Markus Ambros. **Siebwasserführung an schnelllaufenden Papiermaschinen.**  
FH CAMPUS02 Fachhochschule der Wirtschaft.

### Papers

- 05/2016 Markus Ambros. **Siebwasserführung an schnelllaufenden Papiermaschinen.** Strömungssimulation zur Problematik der Umlenkung von Mehrphasenströmung anhand einer Tissemaschine. ISBN-13: 978-3639886856.