

Curriculum Vitæ



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
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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 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-Gösting.**
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 ^A T _E 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
- since 2008 Programming in C# and Python
- since 2008 Text processing with L^AT_EX
- 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.