

# Curriculum Vitae

Georg Zotti

Name: Dipl.-Ing. Dr. techn. Georg Zotti, Bakk. rer. nat.  
Date of birth: May 14, 1972, in Vienna, Austria  
Parents: Dkfm. Dr. Lutz Zotti and Dr. Irmtraud Zotti  
Nationality: Austria  
Languages: German, English, Latin (school), Old Greek (school),  
Czech (basics), French (basics)

## Education

1978–1982 Primary school (Volksschule) Wien 13., Steinlechnergasse  
1982–1990 Secondary school (AHS): BG13 (*Humanistisches Gymnasium*)  
June 1990 Graduation (Matura) with distinction  
1990–1991 Military service.  
1991–1996 TU Vienna, study of Electrical Engineering  
1996–2001 TU Vienna, changed to study of Computer Sciences  
Dec.10., 2001 Graduation (with distinction) to “Diplom-Ingenieur”.  
Diploma thesis: “A Multi-Purpose Virtual Model of the Solar System (VRMoSS)”  
2004–2007 Vienna University, study of astronomy (Bakkalaureatsstudium)  
March 22., 2007 Vienna University, Graduation to  
“Bakkalaureus der Naturwissenschaften (Bakk.rer.nat.=B.Sc.)” with  
“Das Astrolabium – Konstruktion und Gebrauch”  
(The Astrolabe – Construction and Use)  
2005–2007 TU Vienna, doctoral studies (computer science)  
November 27, 2007 TU Vienna, final exam (*Rigorosum*; with distinction), defense of dissertation  
“Computer Graphics in Historical and Modern Sky Observations” .

## Jobs and Projects

1988–1996	Assistant guide at Vienna Urania public observatory
1994–1996	Development of Urania/48, the largest astronomical program package for HP48GX pocket calculators (since 2000 also for HP49G, since 2007 for HP50G; Free download since 2014) See <a href="http://homepage.univie.ac.at/Georg.Zotti/hp/urania/index.html">http://homepage.univie.ac.at/Georg.Zotti/hp/urania/index.html</a>
July 1995	<i>Industriepraktikum</i> at Heinrich Georg Maschinenfabrik, Kreuztal, Germany. Development of a Multibus card test system.
1997–2005	Various small extensions to MS Office programs for Fa. Alois Zotti, Vienna
1996–2001	Guide at Vienna Urania public observatory
1997–2000	Tutor for lab course on software engineering (OpenStep, Linux), TU Vienna
2000–2002	Working in EU IST project ASH (Access to Scientific Space Heritage). Development of a Virtual Reality Model of the Solar System for Imagination Computer Services, Vienna (as practical part of diploma)
04/2002–08/2007	Research Assistant at the Institute of Computer Graphics and Algorithms, Vienna University of Technology.
2002–2004	EU IST project RealReflect
2003–2005	First investigation of Neolithic circular ditch systems of Lower Austria w.r.t. astronomical orientation.
2005–2007	FWF project Skydome
2008–2012	Project Assistant at VIAS–Vienna Institute for Archaeological Science
2008–2012	FWF project ASTROSIM (P 21208-G19): Simulation of Astronomical Aspects of Middle Neolithic Circular Ditch Systems <a href="http://astrosim.univie.ac.at">http://astrosim.univie.ac.at</a>
2009	Exhibition “Die Himmel rühmen die Herrlichkeit Gottes (Psalm 19,2)”, 1000 years of astronomical literature in the library of Melk Abbey (with Paul Beck, Vienna University)
2010– 2012	Developer, Stellarium project LOC member, IMCoS Symposium “500 years Mercator”, Austrian Academy of Sciences.
2012–	Researcher and software developer (3D visualisation, GIS, exhibition development ...) at LBI ArchPro
2013	Lecturer for Archaeoastronomy, Vienna University
2013–	2nd chair, Gesellschaft für Archäoastronomie e.V.
2014–	Vice President, European Society for Astronomy in Culture (SEAC)

## Main interests

A life-long interest in all things celestial (astronomy, space exploration) in connection with human culture.

- Archaeo-, ethno-astronomy, history of astronomy, astronomical instruments, sundials, etc.
- PostScript programming of astrolabes and other astronomical instruments. 35 wooden astrolabes have been produced with a laser engraver, see <http://homepage.univie.ac.at/Georg.Zotti/astro/astrolabe/index.html>
- Software for astronomical education and application, esp. Stellarium <http://stellarium.org>.
- Virtual reconstruction of astronomically related cultural heritage
- Virtual Globes [http://homepage.univie.ac.at/Georg.Zotti/virtual\\_globes/](http://homepage.univie.ac.at/Georg.Zotti/virtual_globes/)
- Photography (landscape, astrophotography, High Dynamic Range, panoramas)
- Eclipse travels (2001 Zambia ([http://www.waa.at/bericht/2001/06\\_sofiexp/index\\_e.html](http://www.waa.at/bericht/2001/06_sofiexp/index_e.html)), 2005 Libya (<http://www.waa.at/bericht/2005/10/20051003ase/20051003gzo09.html>), 2006 Libya (<http://homepage.univie.ac.at/Georg.Zotti/astro/TSE2006/index.html>), 2008 Mongolia, 2009 China)
- Astronomical travels, mostly Namibia (2002: <http://homepage.univie.ac.at/Georg.Zotti/astro/na2002/img/APhotoShow.html>, 2013: <http://www.waa.at/bericht/2013/07/20130714sf102.html>)
- modelling (spacecraft), ...