

Jan Osburg

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U.S. Citizen

Systems Engineer – Project Manager

Strengths Self-starter • reliable • responsible • efficient • thorough • interdisciplinary approach • broad knowledge base • strong communication skills

Skills Strategic thinking • project management • planning, organizing, streamlining and implementing • communicating and negotiating • teaching, tutoring and mentoring • leading and motivating • multicultural social skills • systems engineering • software development • hands-on technical experience and skills • expert skills in Word, Excel, PowerPoint, MS Project, Corel, ModelCenter, Matlab, LabVIEW • WinXP administration

Professional Experience **Research Engineer** **September 2003 to present**
Georgia Tech Aerospace Systems Design Laboratory Atlanta, GA, USA

- Developing robust systems design methodologies, modeling and simulation tools
- Managing the implementation of advanced design methodology and tools for nuclear space propulsion systems
- Supporting NASA in determining technology investment portfolios for aeronautics and space exploration
- Creating and managing interactive, collaborative design facility and leading systems design teams
- Developing probabilistic modeling and simulation software for Access-to-Space vehicles

Research Engineer and Lecturer **June 1997 – May 2002**
Space Systems Institute, University of Stuttgart Stuttgart, Germany

- Developed interdisciplinary design methodology aimed at improving human integration into complex systems
- Organized and directed highly acclaimed international, interdisciplinary workshops
- Lectured on a variety of engineering topics; trained and mentored junior engineers
- Developed award-winning simulation software based on LabVIEW programming

Graduate Research Assistant **October 1995 – September 1996**
Georgia Tech Aerospace Systems Design Laboratory Atlanta, GA, USA

- Developed user-friendly life cycle cost estimation tool for US military helicopters
- Programmed and used design simulation and analysis software in a concurrent design environment

Research and Development Intern **April 1995 – July 1995**
Teldix GmbH Heidelberg, Germany

- Developed and field-tested Ada software increasing the accuracy of navigation system based on AN/PSN-11 (PLGR) military GPS receiver, INS and Kalman filtering

	Engineering Intern	November 1992 – February 1993
	Deutsche Aerospace Airbus GmbH	Hamburg, Germany
	<ul style="list-style-type: none"> ▪ Participated in design, testing and production planning of Airbus aircraft 	
	Communications Equipment Maintenance Specialist	June 1989 – August 1990
	1 st Company/890 th Battalion	Philippsburg, Germany
	<ul style="list-style-type: none"> ▪ Maintained HF radio equipment in joint German Army/NATO communications unit 	
Education	Doctoral Degree in Aerospace Engineering	June 1997 – May 2002
	“magna cum laude”	University of Stuttgart, Stuttgart, Germany
	<ul style="list-style-type: none"> ▪ Topic: interdisciplinary conceptual design of inhabited space systems 	
	Master of Science in Aerospace Engineering	October 1995 – September 1996
	3.9 GPA	Georgia Institute of Technology, Atlanta, GA, USA
	<ul style="list-style-type: none"> ▪ Focus on multidisciplinary robust conceptual design of supersonic passenger aircraft 	
	Aerospace Engineer	October 1990 – May 1997
	“magna cum laude”	University of Stuttgart, Stuttgart, Germany
	<ul style="list-style-type: none"> ▪ Majors: space systems, flight mechanics and control 	
Languages	German: native speaker	French: highly proficient
Publications	Available at http://www.asdl.gatech.edu/people/janosburg/publicat.htm	
Awards	<ul style="list-style-type: none"> ▪ “2005 SAE Excellence in Oral Presentation” award at SAE World Aerospace Congress, Dallas, TX, USA, October 2005 ▪ “Most Valuable Crewmember” during four-week research mission at Mars-analog simulation facility in the High Arctic, July 2003 ▪ “Best Dissertation” award from academic society for doctoral dissertation, July 2002 ▪ Listed in “Who’s Who in Science and Engineering” (6th Edition, 2002-2003) ▪ “Best Contribution” award at National Instruments conference for paper on unconventional application of their LabVIEW software, October 1997 	
Select Other Activities	Post-Doctoral Fellow, Sam Nunn Security Program	August 2006 to July 2007
	Center for International Strategy, Technology and Policy	Georgia Tech, Atlanta, GA, USA
	Crew Commander at Mars Base Analog	March 2005 and 2006
	The Mars Society	Mars Desert Research Station, southern desert, UT, USA
	Human Factors Investigator and Communications Engineer	July 2003
	The Mars Society	Flashline Mars Arctic Research Station, Devon Island, NT, Canada
	Executive Officer, Chief Engineer and Medic at Mars Base Analog	April 2002
	The Mars Society	Mars Desert Research Station, southern desert, UT, USA
	Olympic Village Protocol Officer	July 1996
	Atlanta Committee for the Olympic Games	Atlanta, GA, USA