

Name	KÜRSAD ÖZDEMİR
Email	kozdemir@liquifer.at
Expertise	
Space Architecture, Design Concepts for Extreme Environment, Design Transfer, Visualisation	
Education	
<p>2003 – 2009 PhD Study on Extreme Environment/Space Structures Design, Faculty of Architecture, Vienna University of Technology</p> <p>1998-2001 Master's Degree in Architecture, MSU Fine Arts Academy of Istanbul, Turkey; Masters Thesis: "Machine Aesthetics"</p> <p>1992-1998 Bachelor's Degree in Architecture, MSU Fine Arts Academy of Istanbul, Turkey</p>	
Experience	
<p>2007 – 2009 Architecture Office PAUHOF, Vienna</p> <p>2003 – 2007 Architecture Office Hoffmann, Vienna</p> <p>Architectural Assistant; Participation in Design Process from preliminary to detail phases; Production of CAD drawings</p> <p>Sep 2003 - Present LIQUIFER SYSTEMS GROUP, Vienna [www.liquifer.at]</p> <p>Research Associate, Architecture & Visualization</p> <p>2001- 2003 Architecture Office Riedl, Vienna</p> <p>Junior Architect; Participate in Design Process & 3D Visualization</p> <p>1998-2000 AK Design Office, Istanbul</p> <p>Junior Partner</p>	
Relevant Projects	
<p>2007 - 2009 Development of "A methodical approach to the design transfer cases between extreme environments" as the core material of the PhD research, under the supervision of Prof. William Alsop at the University of Technology, Vienna</p> <p>2008 - 2009 Participation in the research segment "Concept Study for a Pressurized Rover for Moon and Mars Exploration" within the frame of the ESA study "European Analysis for Surface Architecture" as a member of Liquifer Systems Group</p> <p>2007 Participation in the research segment "Innovative Concepts for Lunar Bases" within the frame of the ESA study "European Analysis for Surface Architecture" as a member of Liquifer Systems Group</p> <p>2006 Participation in the ESA study "FIPES: Definition Study of a Facility for Integrated Planetary Exploration Simulation" as a member of Liquifer Systems Group</p> <p>2006 Participation in the ESA study "Deployable Structures for a Human Lunar Base" as a member of the HB2 Institute Team of Vienna University of Technology</p> <p>2005 Participation in Moon-Mars Workshop, held at ESTEC Facility of ESA in Noordwijk, Netherlands, as organiser</p> <p>2003 Participation in the ESA study "HMM: Human Mission to Mars" as a member of Liquifer Systems Group</p> <p>2003 Participation in Moon-Mars Workshop, held in Bremen, Germany, as Colonies team member</p>	

2003 Participation in ESA Aurora Student Design Contest, Utility Base Concept on Asteroids

2002 Participation in Lunar Base Design Workshop, ESTEC, Team Kopernikus

Papers + Publications + Lectures

Özdemir, K., LSG, (2009) Operational assessment of the pressurized planetary rover RAMA, for RAST '09, 4th International Conference on Recent Advances in Space Technologies, Istanbul as main author

Özdemir, K., (2007). The Integration of Terrestrial Extreme Environment Design Concepts to Lunar Base Designs, 10.1109/RAST.2007.4284078, RAST '07. 3rd International Conference on Recent Advances in Space Technologies, Istanbul as main author

Gruber, P., Imhof, B., Özdemir, K., et al. (2006). Deployable Structures for a human lunar base, IAC-06 3.2.-1, 57th International Astronautical Congress, Valencia as author

Robinson, D.K.R., Özdemir, K., et al., (2005). Concepts for 1st Generation Hybrid and Inflatable Habitats with In-Situ Resource Utilisation for the Moon, Mars and Phobos: Results of the Habitat Design Workshop 2005, IAC-05-D4.1.03, International Astronautical Congress, 2005, Japan as author

Concept Visualisation for "Space Ships That Think" (2006) published in website:
<http://cosmiclog.msnbc.msn.com/archive/2006/09/29/5128.aspx>

The Human Mission to Mars Study including the work of LIQUIFER (2004) published by ESA.
http://www.esa.int/SPECIALS/Aurora/SEMXYZ274OD_1.html

Publications of the project "Kopernikus" (Lunar Base Design Workshop 2002), e.g.

- http://www.esa.int/SPECIALS/Aurora/SEMID11A6BD_1.html#subhead3
- Design report , 1/05 Extrembedingungen, ISSN 0932-3724
- Hans Zippert, p. 91, Hans-Arthur Marsiske, "Heimat Weltall-Wohin soll die Raumfahrt führen?", Edition Suhrkamp, 2005, p123, 130ff, ISBN:3-518-12396-3

Memberships

American Institute of Aeronautics and Astronautics (AIAA)