

Marcela Doubková

ADDRESS (Work)

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OBJECTIVE

To obtain a challenging research position in Remote Sensing, Geographic Information Systems, or Cartography with application in Environmental Science

WORK EXPERIENCE

- Institute of Photogrammetry and Remote Sensing, Technical University in Vienna (TUWIEN)
GIS and Radar Analyst, 2007 - present
 - studied the hydrological processes in soils at various scales by use of active microwave sensors
- Geographic Information Science Center of Excellence (GIScCE), South Dakota State University
Geospatial Analyst, Spring 2006 - 2007
 - studied the hydrological processes of land-atmospheric interaction by use of passive microwave and optical data
 - developed algorithms for processing and analyzing GIS and RS data in ArcGIS and ENVI
- Center for Advanced Land Management Information Technologies (CALMIT), University of Nebraska-Lincoln
Graduate Research Assistant, (Advisor – Geoffrey M. Henebry, Ph. D., C.S.E.), 2004 - 2006
 - used the geospatial technologies to study the impact of environmental change on grasslands
- U.S. Geological Survey, Water Resources, Lincoln, NE
GIS technician, Summer 2004
 - conducted data manipulation and produced associated GIS products using ESRI software

EDUCATIONAL BACKGROUND

Master of Arts, Geography **2004 - 2006**
University of Nebraska-Lincoln **GPA: 4.00**
Specialization: GIS, Cartography, and Remote Sensing

Paul Robitschek Scholarship Exchange Program at UNL **2003 - 2004**
University of Nebraska-Lincoln **GPA: 3.85**
Specialization: GIS, Cartography, and Remote Sensing

Cartography and Geoinformatics program **2000 - 2004**
Charles University in Prague, Czech Republic, Department of Geography

PUBLICATIONS

- **Doubková, M.**, Henebry, G. M., 2006. Synergistic use of AMSR-E and MODIS data for understanding land surface phenology: a case study from grasslands of Great Plains. *Digest of IGARSS 2006, Denver, CO.*
- **Doubková, M.**, Henebry, G. M., 2006. Sensitivity of the AMSR-E Vegetation Water Content product to precipitation events and mid-season dry spells. *2006 Western South Dakota Hydrology Conference, Rapid City, South Dakota, April 18, 2006 (talk).*

INTERNET/COMPUTER SKILLS

- *Computer Languages & Operating Systems:* IDL, Html, MS-DOS, Microsoft Windows, Visual Basic
- *GIS:* MapInfo, ArcGIS (excellent knowledge of Arc Scene module), Arcview
- *Remote Sensing:* ENVI, Erdas Imagine
- *Cartography:* Surfer, MapInfo, Adobe Illustrator, Photoshop
- *Web software:* Dreamweaver MX, Homesite, FrontPage