

Curriculum vitae Leonhard Blesius

I. Education

Education:

2002 : PhD in Geoscience, University of Iowa.
1987 : Diplom (~ MSc) in Geography, Philipps University,
Marburg, Germany.

II. Summary of relevant work experience

August 2007 – present:

San Francisco State University, Department of Geography: Assistant Professor

June 2002 – July 2007:

University of Iowa, Iowa Institute of Hydraulic Research: Post-doctoral researcher

August 2003 – December 2003:

University of Iowa, Department of Geoscience: Visiting Assistant Professor

August 2002 – December 2002:

University of Iowa, Department of Geography: Adjunct Visiting Assistant Professor

Aug. 1993 – May 2002:

University of Iowa: Research & teaching assistant in Geography and Geoscience
Developed and taught a special topics class in Geography: "Digital Image Processing for
Environmental Sciences"

November 1987 – June 1993:

International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede, The
Netherlands: Praktijk docent

October 1984 – May 1987:

Philipps Universität Marburg, Germany: Research assistant

III. Summary of professional skills and/or expertise

Professional Membership:

Association of American Geographers

Remote Sensing Specialty Group

Geomorphology Specialty Group

American Society for Photogrammetry and Remote Sensing (ASPRS)

International consulting:

P.R. China: Institute of Remote Sensing Application at Chinese Academy of Sciences in Beijing: Installation of hard- and software for remote sensing; training of operators, 15. May – 27. May 1990

Nigeria: Geography Department at Ibadan University: Installation of hard- and software for remote sensing; training of students and faculty, 14. July – 13. Aug. 1996

Selected consulting and applied research:

- Evaluation of flood causes due to landscape change in Santa Barbara, CA
- Historical analysis of river changes in Mission Fields, CA
- Evaluation of flood damage in Simi Valley, CA
- Evaluation of flood causes in Canoga Park, CA
- Evaluation of Lowden Fire landscape change, CA
- Evaluation of landslide hazard in Malibu, CA
- Evaluation of debris flows in Pena Canyon, CA
- Assessment of landslide hazard in Las Flores Canyon, CA
- Assessment of temporal irrigation patterns for Edwards Aquifer, TX using remote sensing
- Evaluation of dust storm causes in Fernley, NV
- Flood experiment in a 1st order stream in Arkansas.
- Setting up, maintaining, and collecting data from climatological towers.
- Iowa Validation Site remote sensing data collection.
- Development of digital image analysis software for the Dept. of Geography in Marburg.
- Soil surveys.