

Aaron D. Daly
Senior Scientist, EnviroComp Consulting, Inc.
daly@envirocomp.com

SUMMARY OF QUALIFICATIONS

- Advanced computer skills on most current software and Internet applications.
- Expert at analyzing geographic, environmental, and remote sensing data.
- Skilled at summarizing results for clients in visuals and animations.
- Trained in designing experiments and collecting data in the field.
- Experienced at reviewing and assessing correctness of scientific expert reports.

PROFESSIONAL EXPERIENCE

2001 – Present **EnviroComp Consulting, Inc.**

Senior Scientist

- Conducted Air Quality Simulations that estimated the impacts of accidental chemical releases, fires, dust storms, odors, and pesticides.
- Provided litigation support and expert testimony on environmental issues.
- Produced reports and presentations used in litigation.

1999 - 2001 **San Jose State University, San Jose, CA**

Graduate Assistant

- Used meteorological and statistical training to develop forecasts for fog clearing at San Francisco International Airport.
- Developed and presented a Quality Control course to undergraduate students.

1999 **Intel Corporation, Santa Clara, CA**

Intern

- Implemented an industrial quality control program across multiple manufacturing sites.
- Identified problems with proprietary equipment.
- Provided internal statistical training.

FORENSIC EXPERIENCE

Courtroom Trial Testimony: Stockton, CA, January 20, 2006; Joe Marchesotti Co., Inc. v. John Taylor Fertilizers et al., Case No. CV015906, San Joaquin County Superior Court.

COMPUTER SKILLS

Statistical Software: JMP, Statistica, SAS, Minitab

Numerical Analysis: Mathcad, Surfer, Matlab

Air Quality Simulations: ISC, AERMOD, CALPUFF

Geographic Software: ArcGIS, Global Mapper

JOURNAL ARTICLES

A. Daly, P. Zannetti, and T. Echehki. A Combination Of Fire And Dispersion Modeling Techniques For Simulating A Warehouse Fire. International Journal of Safety and Security Engineering, Volume 2, Number 4. WIT Press, 2012.

<http://journals.witpress.com/paperinfo.asp?plD=671>

CONFERENCE PROCEEDINGS (presenting author is underlined)

Aaron Daly, Paolo Zannetti, and Michael Jennings. Accident Reconstruction and Plume Modeling of an Unplanned Ammonia Release. 21st International Conference on Modeling, Monitoring and Management of Air Pollution. Siena, Italy, June 3-5 2013. Wessex Institute of Technology.

<http://www.wessex.ac.uk/13-conferences/air-pollution-2013.html>

BOOK CHAPTERS

Chapter 26 of Vol.III of the EnviroComp Institute's Air Quality Modeling book series, 2008.

<http://www.envirocomp.org/aqm>

Chapters 1-2 of Ambient Air Pollution, Arab School for Science and Technology and The EnviroComp Institute, 2007.

<http://www.envirocomp.org/asst/>

AWARDS

Runner-up in the International Society of Digital Earth 3D Visualization Grand Challenge Contest, Berkeley, California. June 2007.

<http://www.isde5.org/grandchallenge.htm>

EDUCATION AND TRAINING

Certificate in Geographic Information Systems, May 2007, Ohlone College, Fremont, CA

CALPUFF Training Course, Nov 2006, TRC Environmental Corporation, Berkeley, CA

M.S. in Meteorology, May 2004, San Jose State University, San Jose, CA

M.S. in Applied Statistics, May 1997, Purdue University, West Lafayette, IN

B.S. in Physics, May 1994, Purdue University, West Lafayette, IN