



Resume

**DENNIS M. FILLER, PhD, P.E.**



Dr. Filler is a registered Professional Engineer with 25 years of diverse civil, environmental, and engineering science experience with residential, commercial, industrial, educational, and utility facilities. He practices *Forensic Engineering* related to geo-environmental (soils and environmental) and hydrologic investigations, cold regions engineering (infrastructure impacts and permafrost investigations), fire and explosion cause and origin, engineered system failures and impacts (primarily underground infrastructure), product liability, evaluation of mechanical systems, and structural failure analysis and accident reconstruction support. Dr. Filler has 12 years of university teaching experience, advanced mediation training, and is passionate about engineering and engineering education reform.

#### **DEGREES**

Bachelor of Science, Civil Engineering, University of Central Florida, 1986

Masters of Science, Civil Engineering, University of Central Florida, 1988

Doctor of Philosophy, Interdisciplinary Engineering, University of Alaska Fairbanks, 1997

#### **PROFESSIONAL EXPERIENCE**

**Insight-Forensics, LLC (formerly Dennis Filler Consulting), Fairbanks, AK (2002 to Present)**

Owner and Principal. Full-service forensic engineering and science services to the law profession, and insurance and private industries. Cause and origin investigations: geotechnical (soils and foundations), environmental, geothermal (permafrost, frost heave, freeze-ups), hydrologic (floods, groundwater, manmade impacts), fires, gas explosions, civil infrastructure failures (residential, light commercial and industrial), engineered systems (utilities and machine operations), product liability, construction defects (management and installation deficiencies), mediation support (dispute resolution and breach of contract), and miscellaneous other failures.

15 years **Engineering Consulting** for geotechnical, geo-environmental, and forensic engineering firms in FL, KS, AK. Ten years as small business owner, and 10 years cold regions engineering experience.

12 years **Academic Instruction** for Univ. of Alaska Fairbanks, Dept. of Civil & Environmental Engineering, Fairbanks, AK; Univ. of Central Florida, Dept. of Civil, Environmental, and Construction Engineering, Orlando, FL; and Univ. of Kansas, Dept. of Civil, Environmental & Architectural Engineering, Lawrence, KS. Professor and adjunct: instruction in engineering science, engineering science management, civil and environmental engineering courses; geo-environmental research; workshops and seminars; and workforce development.

#### **PROFESSIONAL REGISTRATION and TRAINING**

Registered Professional Engineer – Alaska (#10363)

Mares-Dixon Advanced Mediation training (2011)

Deposition and trial experience

#### **COMMUNITY SERVICE and INTERESTS**

*First Lego League, First Tech Challenge* robotics: Judge and Judge Advisor (Lead)

Adult Education guest lecturer

Interior Baseball League Asst. Coach

USA Swimming Official