



Katalin Bene

CONTACT

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europass

EDUCATION AND TRAINING

31/12/1996 Columbia, S.C., United States

Doctor of Philosophy Dept of Civil and Environmental Engineering, University of South Carolina

Thesis Measurement Methods and Data Analyses for Vadose Zone Characterization at a Vegetated Field Site.

31/08/1991 Columbia, S. C., United States

Master of Science Dept of Civil Engineering, University of South Carolina

Thesis Channel Routing Effects on Unit Hydrograph Shape

30/06/1987 Budapest, Hungary

Bachelor of Science in Hydraulic Engineering Technical University of Budapest

WORK EXPERIENCE

Department of Transport Infrastructure and Water Resources Engineering, Széchenyi István University Győr, Hungary

Associate Professor

01/09/2011

Teaching: Introduction to Civil Engineering (B.Sc.), Engineering Hydrology (B.Sc.), Hydraulics (B.Sc.), Hydraulics Engineering (M.Sc.), Applied Hydrology (M.Sc.), Water Resources (M.Sc.)

Research interest: Surface hydrology, Surface flow modelling and measurement, Unsaturated-saturated flow and contaminant transport modelling, surface-subsurface flow interaction, Measurement of soil properties in the unsaturated zone, geostatistical data analyses.

Department of Civil and Environmental Engineering, University of South Carolina Columbia, S.C., United States

Adjunct Professor

01/01/2007 – 31/05/2011

Teaching introductory engineering and civil engineering classes at the Columbia, and Sumter Campus

B&R Consulting Columbia, S.C., United States

Consulting Engineer

01/05/2004 – 31/12/2006

Consulting engineer in geotechnical, water resources, and environmental areas. Teaching continuing educational courses for professional engineers. Teaching entry-level classes at the University of South Carolina.

Civil Engineering Technology, Central Carolina Technical College Sumter, S.C., United States

Faculty

01/01/2000 – 30/04/2004

Teaching civil engineering technology, engineering graphic technology, and mathematics courses.

Department of Civil and Environmental Engineering, University of South Carolina Columbia, S.C., United States

Research engineer

01/06/1998 – 31/12/2000

Research experience included evaluation of preferential flow through landfills covers using laboratory experiments, development of graphical method for predicting leachability of contaminants from spill sites, based on the South Carolina Department of Health and Environmental Control Underground Storage Tank (UST) Risk Assessment Methodology, evaluation of remediation options to remove hydraulic fluid at the Naval Weapon Station Charleston.

Department of Environmental Engineering, Mercer University Macon, Ga, United States

Visiting Assistant Professor

01/08/1997 – 31/05/1998

Teaching undergraduate environmental engineering and basic engineering core courses. Research: DNAPL Movement in the vadose and saturated zones at a CERLA superfund site in Ohio. Activities included contaminant and hydrologic modeling, site characterization, and report preparation.

Department of Civil and Environmental Engineering, University of South Carolina Columbia, S.C., United States

Graduate Research Assistant

01/07/1989 – 31/05/1997

Research experience included urban stormwater management, mathematical modelling, laboratory experimentation, evaluation of soil test methods, small-scale modelling of subsurface flow and contaminant transport, and evaluation of monitoring instruments and data acquisition systems, evaluating 3-D contaminant transport model on a parallel supercomputer. Teaching experience with undergraduate and graduate courses on hydraulics, open channel flow, surface and subsurface hydrology, and contaminant transport. Mentored undergraduate and graduate students. Organized programs and made presentations to campus visitors, including visiting researchers, engineering professionals, state legislators, and high school students.

LANGUAGE SKILLS

MOTHER TONGUE(S): hungarian

Other language(s):

English

Listening C2

Reading C2

Spoken production C2

Spoken interaction C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user