CV - Britt Stenhøj Baun Christensen, GEUS

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Name	Britt Stenhøj Baun Christensen
Date of Birth	January 18, 1974
Nationality	Danish
Education	Technical University of Denmark, 1999, M.Sc. (Hydrology)
	Technical University of Denmark, 2006, Ph.D. (Multi-phase flow in porous media)

Employment Record

Year	***Organisation***	***Position***
2005-date	Geological Survey of Denmark and Greenland (GEUS)	Researcher, Department of Hydrology, 2007-date Project Researcher, Department of Hydrology, 2005-2007
2001-2005	Technical University of Denmark (DTU)	Ph.D.-student, Department of Environmental Engineering
1999-2001	Geological Survey of Denmark and Greenland (GEUS)	Research Assistant, Department of Hydrology

Selected Experience Record – Hydrological Modelling

- Participated comprehensively in the development and implementation of a national water resources model for Denmark (DK-model).
- Evaluated the effect of climate change on stream discharge and groundwater in different regions of Denmark using integrated hydrological modelling.
- Worked with nitrate modelling in two small agricultural catchments (LOOP catchments).

Scientific Publications – International Journals

Schaap MG, Porter ML, Christensen BSB, and Wildenschild D (2007). Comparison of pressure-saturation characteristics derived from computed tomography and lattice Boltzmann simulations. Water Resources Research, 43, W12S06, http://doi:10.1029/2006WR005730.

Roosmalen LV, Christensen BSB, and Sonnenborg TO (2007). Regional differences in climate change impacts on groundwater and stream discharge in Denmark. Vadose Zone Journal, 6, 554-571, http://doi:10.2136/vzj2006.0093.

Culligan KA, Wildenschild D, Christensen BSB, Gray WG, and Rivers M (2005). Pore-scale characteristics of multiphase flow in porous media: a synchrotron-based CMT comparison of air-water and oil-water experiments. Advances in Water Resources, 29, 227-238, http://doi:10.1016/j.advwatres.2005.03.021.

Culligan KA, Wildenschild D, Christensen BSB, Gray WG, Rivers M, and Tompson A (2004). Interfacial area measurements for unsaturated flow through a porous medium. Water Resources Research, 40, W12413, http://doi:10.1029/2004WR003278.

Sonnenborg TO, Christensen BSB, Nyegaard P, Henriksen HJ, and Refsgaard JC (2003). Transient modeling of regional groundwater flow using parameter estimates from steady-state automatic calibration. Journal of Hydrology, 273(1-4), 188-204.

Wildenschild D, Vaz CMP, Rivers ML, Rikard D, and Christensen BSB (2002). Using x-ray computed tomography in hydrology: systems, resolutions, and limitations. Journal of Hydrology, 267(3-4), 285-297.