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**2013 Soil and Water Science Department Hubbell Seminar**  
*[Co-sponsored by UF Water Institute]*

**Speaker: Dr. Jerald L. Schnoor**

Allen S. Henry Chair in Engineering  
Dept. of Civil and Environmental Engineering  
Dept. of Occupational and Environmental Health  
Co-Director, Center for Global & Regional Environmental Research  
University of Iowa



**Title: Water Sustainability in a Changing World**

**Date:** Thursday February 14, 2013

**Time:** 4:00 PM – 5:00 PM

**Location:** McCarty Hall D – G001

Dr. Schnoor's research interests include environmental observatories, water quality modeling, global change and sustainability, and phytoremediation. He has been a member of the **National Academy of Engineering** since 1999 for his pioneering work using mathematical models in science policy decisions. Since 2003, he has served as the **Editor-in-Chief** of *Environmental Science Technology*, a leading journal in environmental science and engineering.

Water is a vital renewable resource for society, which is increasingly stressed by multiple demands of water supply, agriculture, industry, recreation, and ecosystems. Changes in water supply and demands for water are driven by population growth, climate and land use change, and our energy choices (such as biofuels, oil sands, and shale gas). This presentation will discuss the drivers affecting water sustainability and potential solutions including: adapting to a changing water world, reusing water directly and indirectly, developing resilient water infrastructure, and taking a more holistic management approach to the entire water cycle. It also describes research at Clear Creek watershed (270 km<sup>2</sup>), a tributary of the Iowa River in eastern Iowa, to create an environmental observing facility and intelligent digital watershed for water management and prediction

Dr. Schnoor's seminar will be available via [live video streaming and also recorded](#). For additional information related to Dr. Schnoor's research program, please visit his [University of Iowa Departmental Faculty Profile](#).

For additional details about Dr. Schnoor's visit, please contact [Dr. Lena Ma](#) or [Dr. Andrew Ogram](#).