



Humanitarian
ENGINEERING
SOCIAL JUSTICE COMMUNITY SUSTAINABILITY
COLORADO SCHOOL OF MINES



Shultz Family Leadership in Humanitarian Engineering Speaker Series

Guest Speaker: Michael MacCarthy

Mike MacCarthy is a native of Golden, Colorado. Upon completing his undergraduate studies at the Colorado School of Mines, he spent much of the next fifteen years living and working overseas. He began his international career as an Environmental and Water Resources Engineer in the Peace Corps in Cameroon, Central Africa. His time in the Peace Corps helped him to gain a broad understanding and appreciation of the great need for improved, sustainable engineering solutions, and made him realize that he wanted to focus his career on working with underprivileged communities to assist them in gaining access to improved water supply and sanitation facilities. Following graduate coursework at the University of Southampton in England, he spent the next several years leading water and sanitation programs in sub-Saharan Africa, as a Development Research Engineer in South Africa, an Engineering Adviser with GOAL Ireland in the Democratic Republic of Congo, and a Public Health Engineering Coordinator with Oxfam in Mali. He later worked as a Graduate Research Associate and Instructor at the University of South Florida, where he received his doctorate in Civil Engineering (Water Resources specialty). His doctoral research focused on low-cost household groundwater supplies for rural communities in developing countries (with field research sites in Madagascar, Bolivia, and Uganda).

"Engineering for Development: Sustainable Household Water Supply Systems in sub-Saharan Africa and the Caribbean"



Dr. Mike MacCarthy currently leads the Engineering for Development program at Mercer University (Macon, Georgia), where he is an Assistant Professor of Environmental Engineering.

Abstract:

Dr. MacCarthy will link his time as a student at CSM and initial years in grassroots international development work in sub-Saharan Africa to current research, teaching and service working with undergraduate and graduate students. He will present recent and prospective research and service on sustainable household water supply systems and markets in sub-Saharan Africa. This work aims to contribute significantly to helping the world reach the Sustainable Development Goal target of universal access to safe and affordable drinking water by 2030.

4pm Tuesday
November 8th
Marquez Hall 326