

# Consortium for Cooperation in Civil and Environmental Engineering Technologies

U.S.–Brazil Higher Education Consortia Program

Sponsored by  
FIPSE, United States Department of Education  
CAPES, Brazilian Ministry of Education

## U.S. consortium partners:

The University of Texas at Austin, Austin, TX  
University of Missouri, Columbia, MO

## Brazil consortium partners:

Universidade Federal de Pernambuco, Recife, PE  
Pontificia Universidade Catolica do Rio de Janeiro, Rio de Janeiro, RJ

## SUMMARY

The complexity of environmental problems at the local, national and global levels indicate the need for a workforce that is knowledgeable about them and has the necessary experience to practice in countries other than their own. The partner universities of the Consortium for Cooperation in Civil and Environmental Engineering (C<sup>3</sup>E<sup>2</sup>T) Technologies will develop a student mobility program to train engineers prepared for these challenges.

C<sup>3</sup>E<sup>2</sup>T is part of the U.S.–Brazil Higher Education Consortia Program, which is run cooperatively by the Foundation for the Improvement of Post Secondary Education (FIPSE), U.S. Department of Education, and the Foundation for the Improvement of Higher Education Personnel (CAPES), Brazilian Ministry of Education. The purpose of this program is to promote student-centered cooperation between the U.S. and Brazil to increase cross-national education and training opportunities in a wide range of academic and professional disciplines.

The consortium provides an avenue for faculty from internationally recognized academic institutions to train students for the 21<sup>st</sup> century by providing them with an enhanced coursework in Civil & Environmental Engineering that will include inter-institutional projects and curricula addressing issues with national, international and global implications. The focus is on the following academic and research topics: Environmental, Geotechnical and Transportation Engineering, Water Resources and Hydrology as well as what is commonly referred in Brazil as Sanitary Engineering. The consortium will also provide students with the tools needed for foreign language proficiency and a cultural background that will benefit their personal and professional lives.

C<sup>3</sup>E<sup>2</sup>T's objectives are to:

- (1) establish student and faculty international exchange programs between partner universities
- (2) cooperate in the development of teaching methods and teaching standards in consortium universities; and
- (3) create an opportunity for U.S. undergraduate and graduate Civil & Environmental Engineering students to experience a study abroad program in Brazil, become proficient in Portuguese language and get acquainted with the Brazilian culture offering, at the same time, a similar opportunity for Brazilian students in the U.S.

### C<sup>3</sup>E<sup>2</sup>T Program Directors at Partner Universities

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