



Events

[Current Events](#)[Lectures ▾](#)[Events Archive ▾](#)

CCT Tech Talk Series

Overview of FELICITY: Finite Element Implementation and Computational Interface Tool for You**Shawn Walker, LSU**

Assistant Professor, Department of Mathematics

Johnston Hall 338

February 08, 2012 - 02:00 pm

Abstract:

I will give an overview of a MATLAB/C++ toolbox (FELICITY) I have developed that provides a framework for solving PDEs with the Finite Element Method (FEM). In particular, I will explain the philosophy behind FELICITY (such as code generation), give a tutorial on solving some elliptic problems, and describe some details on how it is implemented.

Speaker's Bio:

Walker is an assistant professor jointly in the Mathematics Department and the Center for Computation & Technology (CCT) at Louisiana State University. He received his PhD from the University of Maryland, College Park, and his research interests include finite element methods, moving boundary problems, and mesh generation.

Refreshments will be served.**This lecture has a reception.**