



# THE UNIVERSITY OF CHICAGO

## COMPUTATIONAL AND APPLIED MATHEMATICS STUDENT SEMINAR

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FEniCS: A Computational Software for the Finite Element Method

THURSDAY, January 24, 2019, at 1:00 PM  
Jones 226, 5747 South Ellis Avenue

### ABSTRACT

FEniCS is a computational software that is used to solve many types of partial differential equations. We will provide examples of solutions to PDEs obtained by FEniCS and discuss some of the underlying PDE theory, particularly variational formulations. Mesh adaptivity will also be covered.