

Title: FOQUS: A UQ Framework for Carbon Capture Process Models

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Abstract: The Carbon Capture Simulation Initiative is developing state-of-the-art computational modeling and simulation tools to accelerate the commercialization of carbon capture technology. The CCSI Toolset consists of an integrated multi-scale modeling and simulation framework, which includes comprehensive uncertainty quantification (UQ) methodology. This talk focuses on the design and application of a software framework (graphical user interface and statistical analysis tools) for facilitating UQ analysis.