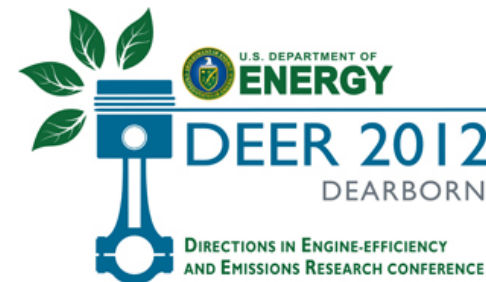




*... for a brighter future*



# CFD Analysis of Particle Deposition During DPF Filtration Processes

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*October 17, 2012*

***Poster Location: P-14***



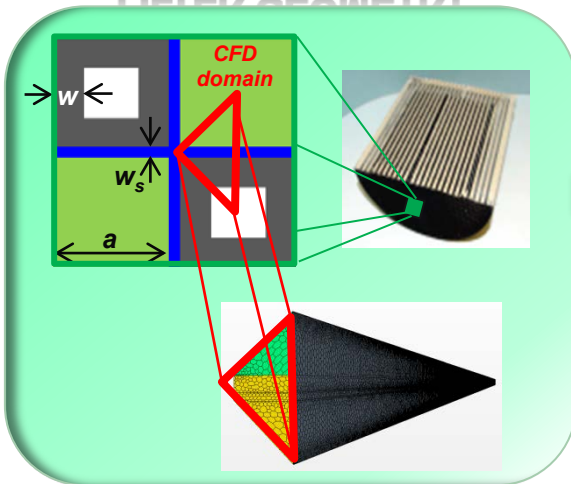
U.S. Department  
of Energy

UChicago ►  
Argonne<sub>LLC</sub>

A U.S. Department of Energy laboratory  
managed by UChicago Argonne, LLC

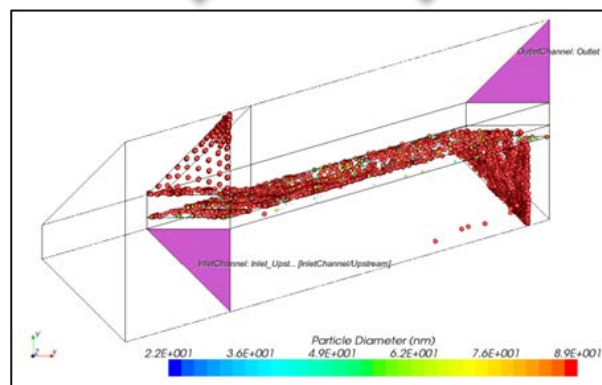
# 3-D Modeling of DPF Filtration Processes using Lagrangian Approach

## FILTER GEOMETRY



3-D Modeling

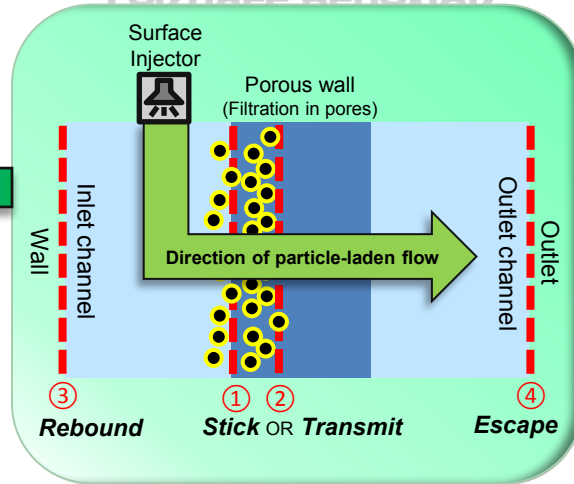
Boundary Condition



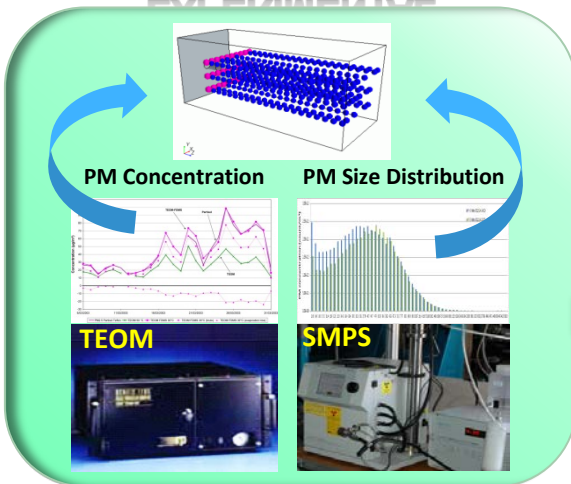
CFD Inputs

Parallel Computing

## PARTICLE BEHAVIOR



## EXPERIMENTAL



## TRACC CLUSTER

