

# Multidisciplinary Simulation, Estimation, and Assimilation Systems

## Seminar Series

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### *Path Planning and Adaptive Sampling in the Coastal Ocean*

(Ph.D. Defense)

**Tuesday, Sept. 22, 2015**

**3:00PM; Rm. 5-314**

Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Cambridge, MA 02139

Host: Pierre Lermusiaux

<http://mseas.mit.edu>

0.62  
0.41  
0.21  
min 2.

$\frac{\partial \phi_i}{\partial t} + u \cdot \nabla$

Zooplankton

Measurement Model/Errors  
Dynamical Model/Errors

Data Assimilation  
Adaptive Model

Model Estimates

Stoch. Coef. 2

Stoch. Coef. 4

Range (km)

Chl. Fcst.

Temp. Fcst.

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