



Center for Scientific Computation And Mathematical Modeling

University of Maryland, College Park



CSCAMM DAY: Research Overview in CSCAMM

Friday, November 7

MORNING SESSION

CSCAMM Faculty

10:00—10:25



Radu Balan

Statistical signal processing; Applied harmonic analysis;
System and component design

10:30—10:55



Kayo Ide

Data assimilation systems; Coastal ocean forecasting;
transport and mixing in geophysical flows

11:00—11:25



Doron Levy

Mathematical models in biology and medicine; Nonlinear
phenomena; PDEs; Numerical analysis

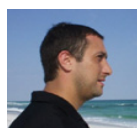
11:30—11:55



Eitan Tadmor

Nonlinear convection diffusion; Self-propelled dynamics;
Numerical methods; Edge detectors; Image processing

12:00—12:25



Manuel Tiglio

Black holes, neutron stars; High order and spectral methods
in complex geometries; High performance computing

12:30—1:15

LUNCH hosted by CSCAMM

AFTERNOON SESSION

CSCAMM Post-Docs

1:15—1:35



Arthur Cheng

1:40—2:00



Chad Galley

Effective field theory of gravitational binaries and their sym-
bolic automation; Quantum field theory in curved spacetime

2:05—2:25

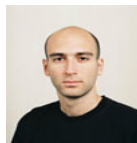
Frank Herrmann

2:30—3:50



Young-Sam Kwon

2:55—3:15



Anil Zenginoglu