

Michigan State University

**Wave Propagation and Inverse Problems:
Mathematical and Computational Challenges
Conference Program**

April 9-11, 2015

Conference Description

The conference focuses on mathematical and computational challenges for wave-propagational direct, inverse and imaging problems. We will use the occasion to recognize William W. Symes for his contribution to mathematics of inverse problems and to the lives of many students, postdocs, collaborators and colleagues he has worked with throughout his inspiring career.

Organizing Committee

Gang Bao MSU and Zhejiang University (Conference Co-Chair)

David Dobson University of Utah

Juan C. Meza Dean, School of Natural Sciences, UC Merced

Jianliang Qian MSU

Fadil Santosa Director of IMA, U. Minnesota (Conference Co-Chair)

Invited Speakers

Jean-David Benamou	INRIA, France
Liliana Borcea	University of Michigan
Margaret Cheney	Colorado State University
Florence Delprat-Jannaud	IFP Energies nouvelles, France
Laurent Demanet	MIT
Bjorn Engquist	University of Texas, Austin
Sergey Fomel	University of Texas, Austin
Roland Glowinski	University of Houston
Fons ten Kroode	Shell
Alison Malcolm	Memorial University of Newfoundland, Canada
Joyce McLaughlin	RPI
Shari Moskow	Drexel University
Stan Osher	UCLA
Rakesh	University of Delaware
Paul Sacks	Iowa State University
Fadil Santosa	University of Minnesota
Gunther Uhlmann	University of Washington
Hongkai Zhao	UC Irvine

Sponsors

The major funding is provided by the **National Science Foundation**.

Thursday, April 9

0830-0900: Continental Breakfast

Session Chair: Juan Meza

0900-0945: Fadil Santosa

0950-1010: break 1

Session Chair: Fadil Santosa

1010-1055: Stan Osher

1100-1145: Joyce McLaughlin

1200-1400: lunch (on your own)

Session Chair: Fons ten Kroode

1400-1445: Bjorn Engquist

1450-1540: Jean-David Benamou

1540-1600: break 2

Session Chair: Sergey Fomel

1600-1645: Hongkai Zhao

1650-1735: Laurent Demanet

All sessions in Lincoln Room at the Kellogg Center.

Friday, April 10

0830-0900: Continental Breakfast

Session Chair: Joyce McLaughlin

0900-0945: Gunther Uhlmann

0950-1010: break 1

Session Chair: Bjorn Engquist

1010-1055: Liliana Borcea

1100-1145: Paul Sacks

1200-1400: lunch (on your own)

Session Chair: Liliana Borcea

1400-1445: Margaret Cheney

1450-1540: Fons ten Kroode

1540-1600: break 2

Session Chair: Hong-Kai Zhao

1600-1645: Alison Malcolm

1650-1735: Shari Moskow

1800-2100: Banquet at Red Cedar (AB)

All sessions in Lincoln Room at the Kellogg Center.

Saturday, April 11

0800-0830: Continental Breakfast

Session Chair: Jianliang Qian

0830-0845: Andrew Christlieb

Session Chair: Gunther Uhlmann

0845-0930: Roland Glowinski

0935-1020: Florence Delprat-Jannaud

1020-1040: break 1

Session Chair: Jianliang Qian

1040-1125: Sergey Fomel

1130-1215: Rakesh

All sessions in Lincoln Room at the Kellogg Center.