

MSRI



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MSRI/Evans Talk

MONDAY, OCTOBER 11 , 2010

4:10PM; 60 EVANS HALL

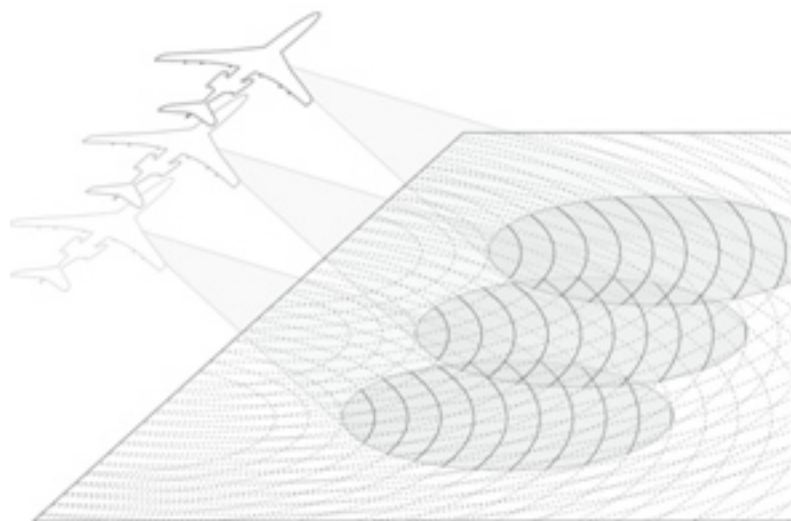
UNIVERSITY OF CALIFORNIA, BERKELEY

“Introduction to Synthetic-Aperture Radar Imaging”

Margaret Cheney
(Rensselaer Polytechnic Institute)

Radar imaging is a technology that has been developed, very successfully, within the engineering community during the last 50 years. Radar systems on satellites now make beautiful images of regions of our earth and of other planets such as Venus. One of the key components of this impressive

technology is mathematics, and many of the open problems are mathematical ones.



This lecture will explain, from first principles, some of the basics of radar and the mathematics involved in producing high-resolution radar images.

Refreshments at a nearby establishment immediately following the talk!
Graduate students and Postdoctoral Fellows are particularly welcome.

<http://www.msri.org>