



INSAR: AN INTRODUCTION TO PROCESSING AND APPLICATIONS FOR GEOSCIENTISTS SHORT COURSE
UNAVCO, HEADQUARTERS - BOULDER, CO
AUGUST 8-10, 2011

UNAVCO, a non-profit membership-governed consortium, facilitates geoscience research and education using geodesy.

INSTRUCTORS:

Eric Fielding, JPL
 Matthew Pritchard, Cornell University
 Paul Rosen, JPL

MONDAY, AUGUST 8 – 12:00PM - 5:00PM

12:00 - 1:00 *Lunch*Kitchen
 1:00 - 3:00 SAR and InSAR theory Rosen
 3:00 - 3:15 *Break*
 3:15 - 5:00 Installation of ROI_pac and processing of test data All
 5:30 Carpool to Hotel..... Drivers: Pritchard/Rosen/Fielding

TUESDAY, AUGUST 9 – 9:00AM - 5:00PM

7:00 – 8:15 Breakfast on your own
 8:15 Carpools to UNAVCO – meet in Lobby Drivers: Pritchard/Rosen/Fielding
 9:00 – 10:15 Additional InSAR theory Rosen
 10:15 – 10:30 *Break*
 10:30 – 12:00 Run example Envisat SAR data [Download Baja California earthquake data]..... All
 12:00 – 1:00 *Lunch*
 1:00 – 3:00 ROI_Pac internals Fielding
 3:00 – 3:15 *Break*
 3:15 – 5:00 Download your own data and test All
 5:30 Carpool to Hotel..... Drivers: Pritchard/Rosen/Fielding

WEDNESDAY, AUGUST 10– 9:00AM - 3:00PM – OPTIONAL MODEL FROM 3:00PM-5:00PM

7:00 – 8:15 Breakfast on your own
 8:15 Carpools to UNAVCO – meet in Lobby Drivers: Pritchard/Fielding
 9:00 – 10:15 Practical Considerations: Getting data & understanding output Pritchard/Fielding
 10:15 – 10:30 *Break*
 10:30 – 12:00 Visualizing data, preparing for modeling..... Pritchard/Fielding
 12:00 – 1:00 *Lunch*
 1:00 – 3:00 Advanced InSAR: Time series Pritchard/Fielding
3pm InSAR Short Course concludes
 3:00 – 3:15 *Break*
 3:15 – 5:00 Optional Module Pritchard/Fielding
 Measuring surface motion with SAR and Optical pixel tracking
 5:00 Conclusion of Optional Module