# Waveform modeling course

**Activity:** Course on waveform modeling, from 13 to 18 June 2016

**Theme**: Seismic source

## SCOPE OF THE COURSE:

1. Have knowledge of fundamental theory of waveform modeling
2. That the participants in the course be able to calculate the moment tensor.


## THE COURSE WILL TRY TO REACH:

1. Outreach to the seismological community of Latin America.
2. Learn the importance of a well calibrated instrument for the moment tensor calculation.
3. Use seismic data from a local or regional network for learning how to calculate the moment tensor.
4. Encourage joint work between participants.

## CO-SPONSORED AND PARTICIPATING INSTITUTIONS
1. Universidad Nacional de Costa Rica
2. IASPEI
3. Charles University, Prague, Czech Republic
4. Patras University, Greece


**Scientific organization:** Ronnie Quintero (OVSICORI-UNA)
**Location**:      Jaco, Costa Rica
**Fee**: No fee for participation.
**Registration and presentation submission**: deadline March 30, 2016.
**Language**: English

**PROGRAM:**

1. **Theory and practice of waveform inversion for moment tensors. Point (and multiple-point) source models using ISOLA code (J. Zahradnik. E. Sokos, R. Quintero, Lucia Fojtíková). 13-18 June 2016.**

**Attendants will make a presentation about their local network and short summary of their results obtained during the course. Participants should bring their notebooks with installed Matlab with toolboxes, m-map and GMT4.**

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