



雷 蒂 夏 Laetitia Mozziconacci 博士後研究

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研究領域 : main interests in the source process of large earthquake determined from inversion of different kind of data (seismologic and geodetic), the coseismic slip distribution on the fault plane and its evolution with time.

#### [學 歷]

- 2005-2009 PhD (University of Nice Sophia Antipolis)  
“The Taiwan collision zone: seismicity, stress regime and rupture process of large earthquakes”
- 2004-2005 Master 2 DGSA (University of Nice Sophia Antipolis)  
“Focal Mechanism and seismotectonic stress in an active orogen: the Sanyi-Puli transfer fault zone in relation with the Chi-Chi earthquake, Taiwan”
- 2003-2004 Master 1 Earth Sciences (University of Nice Sophia Antipolis)  
“Valorization of data issue of an OBS network in the Ligure northern margin”
- 2001-2003 Bachelor of Earth Sciences (University of Nice Sophia Antipolis) -  
Mention Good

#### [Competence obtained]

Geophysical data processing and interpretation

- Data processing of Ocean Bottom Station (OBS) and earth station
- Location of earthquakes
- Determination of the coseismic slip distribution along a fault plane, focal mechanism and stress tensor

#### [著 作]

1. “Focal mechanism and seismotectonic stress in an active orogen: the Sanyi-Puli transfer fault zone in relation with the Chi-Chi earthquake, Taiwan”, abstract in “Geodynamics and environment in East Asia International Conference & 5th Taiwan-France Earth Symposium” (2006)
2. Mozziconacci et al. “Focal mechanism and seismotectonic stress in North Central Taiwan in relation with the Chi-Chi earthquake”, *Tectonophysics* (2009) 466: 409-426, doi: 10.1016/j.tecto.2007.11.003
3. Mozziconacci et al. “Slip distribution on thrust fault at a plate boundary the 2003 Chengkung earthquake, Taiwan”*Geophysical Journal International* (2009) 177 : 609-623, doi: 10.1111/j.1365-246X.2009.04097.x