



雷蒂夏 **Laetitia Mozziconacci**

博士後研究 Postdoctoral Fellow (2009-06-26 ~ 2015-08-31)

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研究領域 : main interests in the source process of large to small earthquakes 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 Education]

- 2005-2009 PhD (University of Nice Sophia Antipolis), France
“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 onland station
- Location of earthquakes
- Determination of the coseismic slip distribution along a fault plane, focal mechanism and stress tensor

[著 作 Publications]

1. **Mozziconacci, L.**, J. Angelier, B. Delouis, R.J. Rau, N. Béthoux, B.S. Huang. "Focal mechanisms 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
2. **Mozziconacci, L.**, B. Delouis, J. Angelier, J.C. Hu, B.S. Huang. "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

3. **Mozziconacci, L.**, B. Delouis, B.S. Huang, J.C. Lee, N. Béthoux “Determining fault geometry from the distribution of coseismic fault slip related to the 2006 Taitung earthquake, eastern Taiwan”, Bulletin of the Seismological Society of America (2013) **113** (1): 394–411, doi: 10.1785/0120110232
4. Lee, S.J., **L. Mozziconacci**, W.T. Liang, W.G. Huang, B.S. Huang “Source complexity of the 4 March 2010 JiaSian, Taiwan, Earthquake determined by joint inversion of teleseismic and near field data”, Journal of Asian Earth Sciences (2013) **64**: 14–26, doi: 10.1016/j.jseaes.2012.11.018
5. **Mozziconacci, L.**, B.S. Huang, B. Delouis, J.C. Lee, S.J. Lee “Rupture behavior of a moderate earthquake (MW 5.9, April 2006) and its close relation with the 2003 Chengkung earthquake (MW 6.8) at the southern termination of the plate boundary, southeast Taiwan”, Journal of Asian Earth Sciences (2013) **75**: 213–225, doi: 10.1016/j.jseaes.2013.07.025