

Curriculum Vitae

Yi-Chi Chen

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Educations

National Taiwan University M.S. in Geoscience	2011
National Taiwan Ocean University B.S. in Oceanography	2008

Working Experiences

Visiting Associate Professional Specialist at Princeton University	11/2015 - 1/2016
Research assistant in National Taiwan University	10/2014 - present
Engineer in J-Kun Registered Professional Geologist Office	1/2014 - 9/2014
Research assistant in National Taiwan University	2/2011 - 12/2013

Publications

- Ren, H.* , **Chen, Y.-C.**, Wang, X. T., Wong, G. T.F., Cohen, A. L., DeCarlo, T. M., Weigand, M. A., Mii, H.-S., Sigman D. M. (2017), 21st Century Rise in Anthropogenic Nitrogen Deposition on a Remote Coral Reef, *Science*, 356, 749-752.
- Liu, Y.* , Lo, L., Shi, Z., Wei, K., Chou, C.-J., **Chen, Y.-C.**, Chuang, C.-K., Wu, C.-C., Mii, H.-S., Peng, Z., Amakawa, H., Burr, G., Lee, S.-Y., DeLong, K. L., Elderfield, H., Shen, C.-C. (2015) Obliquity pacing of the western Pacific Intertropical Convergence Zone over the past 282,000 years. *Nature Communications* 6:10018, doi: 10.1038/ncomms10018
- Lo, L., Shen C.-C.* , Lu C.-J., **Chen Y.-C.**, Chang C.-C., Wei K.-Y., Qu D., and Gagan M. K. (2014) Determination of element/Ca ratios in foraminifera and corals using cold- and hot-plasma techniques in inductively coupled plasma sector field mass spectrometry. *J. Asian Earth Sci.*, 81, 115-122, doi: 10.1016/j.jseaes.2013.11.016.
- Chen, M.-T.* , Lin X. P., Chang Y.-P., **Chen Y.-C.**, Lo L., Shen C.-C., Yokoyama Y., Oppo D. W., Thompson W. G., and Zhang R. (2010) Dynamic millennial-scale climate changes in the northwestern Pacific over the past 40,000 years. *Geophys. Res. Lett.* 37, L23603, doi:10.1029/2010GL045202.

Conference Presentations

Yi-Chi Chen, Haojia Ren, George T. F. Wong, Anne L. Cohen, Xinchun T. Wang, Horng-Sheng Mii, Daniel M. Sigman. “21st century rise in anthropogenic nitrogen on a South China Sea coral reef.” 12th International Conference on Paleoceanography, August 2016. (Poster Presentation)

Yi-Chi Chen, Kuo-Yen Wei, Chuan-Chou Shen, Meng-Yang Lee, Horng-Sheng Mii. “Magnitude and timing of the thermocline structure change in the southwest Pacific warm pool during terminations.” Western Pacific Geophysics Meeting, June 2010. (Oral Presentation)

Yi-Chi Chen, Kuo-Yen Wei, Chuan-Chou Shen, Meng-Yang Lee, Horng-Sheng Mii. “Magnitude and timing of the thermocline structure change in the southwest Pacific warm pool during terminations.” 10th International Conference on Paleoceanography, August 2010. (Poster Presentation)

Yi-Chi Chen, Kuo-Yen Wei, Chuan-Chou Shen, Meng-Yang Lee, Horng-Sheng Mii. “Thermocline variability in the southwest Pacific warm pool during the last two terminations.” Annual Meeting of Oceanography Section, National Science Council, March 2010. (Poster Presentation)

Yi-Chi Chen, Yuan-Pin Chang, Min-Te Chen, Li Lo, Kuo-Yen Wei, Chuan-Chou Shen. “Intrusion of the Kuroshio Current to the Okinawa Trough during 40-100 thousand years before present?” AGU Fall Meeting, San Francisco, USA, December 2009. (Poster Presentation)

Research Trainings

Sector field ICP-MS (Thermo ELEMENT 2, Geochemistry Lab, NTU)
GC-MS (Bioorganic Chemistry and Bioinorganic Chemistry Lab, Institute of Chemistry, Academia Sinica)
Clean Room (Geochemistry Lab, NTU)
Stable isotope mass spectrometry (Stable Isotope Lab, NCKU)
Microscopic identification of foraminifera (Micropaleontology Lab, NTOU)
Analysis of nitrate using the denitrifier method (Sigman Lab, Princeton University)

Cruise/workshop Experiences

Participations for Ocean Researcher V Cruises, Cruise #OR5-1310-3 and #OR5-1310-4. October, 2013.

Participations for Ocean Researcher III Cruises, Cruise #1680. April, 2013.

Western Pacific Paleoceanography Workshop II, National Taiwan Ocean University, Keelung, Taiwan, January 2010.

Western Pacific Paleoceanography Workshop I: Future Challenge. National Taiwan Ocean University, Keelung, Taiwan, January 2010.

Participations for Ocean Researcher I Cruises, Cruise #891. March, 2009.

The 6th International Conference on Asian Marine Geology, Kochi, Japan. August 2008.

Taiwan Geosciences Assembly, Taoyuan, Taiwan, May, 2008.

Planktonic Foraminiferal record in sediment core in Kuroshio domain. College Student Research Projects, National Science Council, Advisor: Dr. Min-Te Chen, July 2007-February 2008.

The XIth Symposium on Quaternary of Taiwan, Hualien, Taiwan, September 2006.

Synergistic Activity

Teaching Assistant: Evolution and Extinction of Life

9/2008 – 6/2009

9/2009 – 6/2010