



Australia and New Zealand form the Australia-New Zealand IODP Consortium (ANZIC), and the two countries have access to all IODP activities. This bulletin provides current news, job opportunities, scholarships and events relating to both national and international scientific communities.

For more information contact:

Website: www.iodp.edu.au

Website: www.drill.gns.cri.nz

News from the ANZIC Office

After a hectic month the office is gradually returning to business as usual. The outcome of everyone's hard work over that period is completion of three very successful events, ANZIC's Governing Council Meeting at Geoscience Australia, the South West Pacific IODP Workshop at the University of Sydney and a short Distinguished Lecturer Tour, including events in Sydney, Canberra and Melbourne. These events would not have been achievable without the support and effort of many, many members.

We would particularly like to thank our Governing Council members for their time and expertise in guiding this program, SW Pacific Workshop organisers, theme chairs and participants for the hours of work to make the event such a success and their ongoing commitment to develop the proposals discussed at the sessions and finally our Distinguished Lecturer and the teams at Sydney Uni, ANU and University of Melbourne who welcomed our guest and hosted the lectures.

For further details please read the brief reports on these events, below.

Regards,

Neville Exon and Cath Beasley

Governing Council meeting, 4 October 2012

There were three items of general interest arising from the meeting:

- Council considered how to deal with the 20 Expressions of Interest from Australian groups for special post-cruise analytical funding that had been ranked by a review group. The decision was that the top eight groups would be informed that their bids have been accepted subject to suitable full proposals; that the next five groups would be asked to provide full proposals for further evaluation; and that the remainder have been informed that they were not successful.
- Council agreed to accept the Expression of Interest from ANU to host the next phase of Australian IODP and provide the Chief Investigator for a bid to ARC/LIEF. Richard Arculus will be CI and a small group will work with him on the proposal. We expect widespread support for the bid from the geoscience community, with some support from the microbiological community.
- Clinton Foster from Geoscience Australia made the very welcome announcement that GA would join IODP for 2013, and intend to be part of the Australian coalition in the next phase of IODP. Geoscience Australia was a key player in the Ocean Drilling Program and this announcement adds strength to our IODP consortium.

Matt Huber, ANZIC Distinguished Lecturer



ANZIC was proud to welcome Professor Matt Huber of the Department of Earth and Atmospheric Science at Purdue University. His topic, *“Recent progress in modelling past greenhouse climates and implications for the future”* ranged widely over aspects of the Eocene and Miocene warm periods and their relevance to modern climate change, and also over the implications and background assumptions in the models dealing with the present warming situation. Matt also covered the scenarios facing humans because of the thermogenic CO₂ input, pointed out that we should aim for the attainable rather than the ultimate in trying to curtail global omissions, and clearly implied that temperatures cannot be reduced back to present levels perhaps for millennia. The audience were kept amused and concerned in equal measure by Matt's engaging and brilliant lecture.

Friday 12th October, Matt's talk at the University of Sydney was attended by about 40 staff and students on a Friday afternoon. There was a great deal of interest in the talk with questions spanning future climate predictions, modelling of ancient tidal data and the future of palaeoclimate simulations.

Monday 15th October, 60+ people attended an early evening talk at the Australian National University. The audience came from the geoscience community, the climate science community and the general public, and were very interested to stay on afterwards to talk to Matt.

Tuesday 16th October, 20 people heard him speak at Melbourne University. The event attracted several "modern" climate modelling specialists based at Melbourne and clearly showed how past climate archives can be used to anticipate future climate change. The presentation also demonstrated the contribution of ocean drilling to the understanding of present and future climate change, leading to an increased awareness of the scientific utility of this program at Melbourne University.

We would like to offer Matt our heartfelt thanks on behalf of the Australian IODP community and look forward to working with him on South West Pacific proposals.

IODP TOWN HALL MEETING

This meeting will be held in conjunction with AGU in San Francisco. It will be in lieu of an exhibition hall booth and address, in detail, the future of the program. Please make time for this event if you are attending AGU.

Tuesday, 4 December 2012

Hilton San Francisco Union Square (Imperial A and B rooms)

Reception: 5:30 p.m.–6:30 p.m.

Meeting and Q&A: 6:30 p.m.–7:30 p.m.

- Hear program updates and learn more about the future of scientific ocean drilling
- Mix with IODP scientists
- Q&A session with funding agency representatives, platform operators, and program managers

*Hilton San Francisco Union Square
333 O'Farrell Street*



South West Pacific IODP Workshop

The workshop was attended by nearly 80 scientists, about half from overseas, and the contributions to it were of a high quality. The workshop results will be published in detail on the IODP web site in early 2013, but the following points can be made now:

- The **JOIDES Resolution** is likely to be in the SW Pacific region in 2015 and 2016
 - There are six existing IODP proposals in the region, four of which are mature.
 - A number of new, high quality, full proposals and add-on proposals will be submitted before the **April 1 deadline** next year.
 - In the **Climate and Ocean Change** theme there are three new Paleogene proposals that are being considered (Lord Howe Rise, Campbell Plateau and Campbell Drift).
 - In the **Deep Biosphere** theme one new full proposal (Gulf of Papua) and several add-on proposals are being considered.
 - In the **Earth in Motion** theme four new proposals are being considered (Brothers Volcano, Tuaheni Slides, Porangahau fluid flow and slow slip, and Near Trench Axis comparative drilling around the Pacific).
 - In the **Earth Processes** theme three new proposals are being considered (Greater Ontong Java large igneous province, Initiation of subduction and origin of deepwater sedimentary basins in the Lord Howe Rise region, and Structure and dynamics of mantle flow in the northern part of the Australian-Antarctic Discordance).
- In the **Marine Resources** theme two new proposals are being considered (Gas hydrates off New Zealand, and Petroleum oriented deep drilling on the Lord Howe Rise).

Many thanks for the hard work of our organising committee:

Neville Exon, Stephen Gallagher, Maria Seton, Minoru Ikehara, Walter Roest and Chris Hollis

And our theme chairs:

Tim Naish (NZ), Rob McKay (NZ), Jim Kennett (USA), Steven D'Hondt (USA), Ken Takai (Japan), Richard Arculus (Australia), Mike Gurnis (USA), Laura Wallace (UTIG, USA), Jim Mori (Japan), Alex Malahoff (NZ) and Clinton Foster (Australia)

And the ongoing work of all our participants.



The two latest SCAR Bulletin (numbers 182 and 183) are now published on the website. Bulletin 182 contains the report from the SCAR Delegation to XXXV ATCM in Hobart, Australia in June, this meeting included considerable input by ANZIC members on regional projects. Bulletin 183 contains the Report of the XXXII SCAR Delegates' Meeting held in Portland, USA in July, where Carlota Escutia (item 5.1.5) proposed PAIS (Past Antarctic Ice Sheet Dynamics) research.

Both Bulletins are available to view and download at: <<http://www.scar.org/publications/bulletins/>>.

**International Symposium on Paleoceanography
in the Southern Ocean and NW Pacific:
Perspective from Earth Drilling Sciences
Kochi, Japan, 19-21 November, 2012**

This symposium, to be held at Kochi University, will address the paleoceanography and paleoclimatology in the Southern Ocean and the NW Pacific by Earth drilling sciences. The aim of the symposium is to summarize our current understanding of the paleoenvironmental changes of the Southern Ocean and the Northwest Pacific including the Japanese Islands during the key climate changes in the late Cenozoic, such as the Pliocene warmth, Northern Hemisphere Glaciation (NHG), mid-Pleistocene transition (MPT), and Milankovitch-scale climate changes. The symposium themes are:

- 1) Plio-Pleistocene Paleoceanography in the Southern Ocean: IODP activities and Antarctic drilling
- 2) Pliocene warmth and following Milankovitch-scale climate changes in the Japanese Islands and Northwest Pacific
- 3) General session for Earth drilling sciences and Earth sciences

Invited speakers (tentative)

Boo-Keun Khim (Pusan National University)
Andrew P. Roberts (Australian National University)
Carlota Escutia Dotti (Instituto Andaluz de Ciencias de la Tierra)
Min-Te Chen (National Taiwan Ocean University)

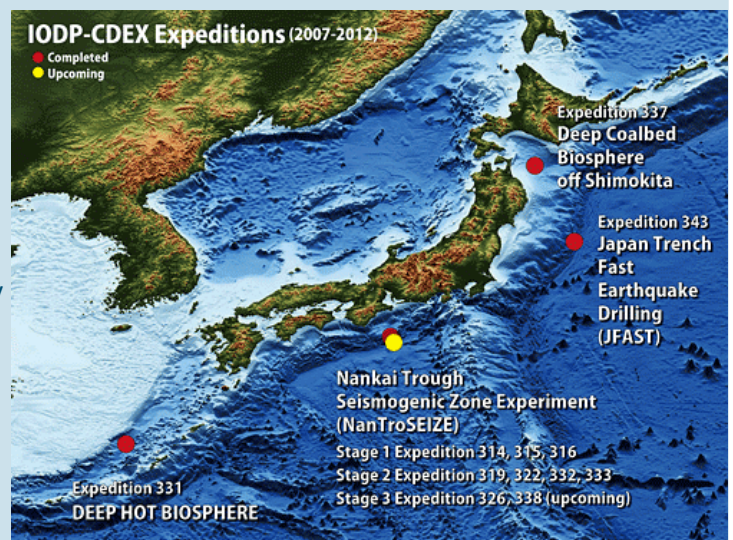
[VISIT THE WEBSITE](#)

AT SEA

The DV Chikyu is currently at sea on Exp. 388. This expedition is the third leg of the three part NanTroSEIZE, Project. It is a double leg, at sea from 1st of October til 13 January 2013. ANZIC will be represented on the second half of the expedition by Lionel Estaban from CSIRO.

Unfortunately the Chikyu is currently threatened by a typhoon system in the region which has delayed drilling since 10th of October as the ship is held in readiness to evacuate.

[Read the Chikyu's Daily reports:](#)
[Read the NanTroSEIZE brief](#)



Employment opportunities

Lecturer, The University of Adelaide



Geology and Geophysics

An exciting opportunity exists for a lecturer (Level B) to join the Geology and Geophysics group in the School of Earth and Environmental Sciences to complement our existing teaching and research strengths. We invite applications from candidates across the field of tectonics, neotectonics and/or thermochronology. The position is fixed term (four years).

The University of Adelaide's Geology and Geophysics group is one of Australia's premier teaching and research groups in geosciences, and has a dedicated and dynamic group of staff. It is one of the largest academic geosciences groups in the country and receives strong support from industry and government. We invite applications from candidates across the field of geoscience, but are particularly interested in applicants who can develop and apply aspects of tectonics, neotectonics and/or thermochronology to the evolution of the Earth. The successful appointee will have both a strong field-based and laboratory-based research background and be enthusiastic about contributing to the Geology and Geophysics group at The University of Adelaide. The position has an academic focus and candidates are expected to provide evidence of strong performance in, and a commitment to, teaching as well as have a strong research ethos. The successful applicant will be required to contribute to undergraduate teaching by undertaking course development and coordination, and in leading field excursions.

Closing date is Oct 26th. For further information, please go to <http://www.adelaide.edu.au/jobs/current/1699/> or contact me at alan.collins@adelaide.edu.au.



UNIVERSITY OF CALIFORNIA
SANTA CRUZ

Assistant Professor in Inorganic Geochemistry or Crustal Dynamics, UC Santa Cruz

The Department of Earth and Planetary Sciences (EPS) at the University of California, Santa Cruz (UCSC) invites applications for a position at the assistant professor (tenure track) level in either: **MINIMUM QUALIFICATIONS: All requirements for Ph.D. (or equivalent) in Earth Sciences or related field completed by time of appointment, a demonstrated record of research excellence and potential to obtain external funding, and a commitment to teaching at graduate and undergraduate levels.**

POSITION AVAILABLE: July 1, 2013, with academic year beginning September 2013.

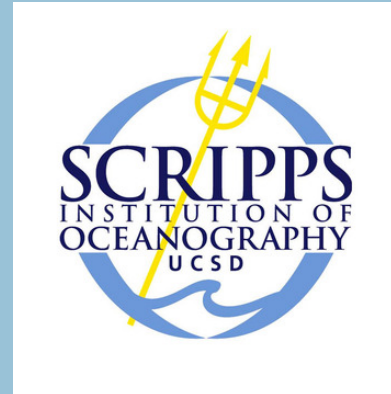
Apply at <https://recruit.ucsc.edu/apply/JPF00014>
Refer to Position #JPF00014-13 in all correspondence.

CLOSING DATE: Review of applications will begin on **November 7, 2012**. To ensure full consideration, all application materials should be completed by this date. The position will remain open until filled, but not later than 6/30/2014.

Employment opportunities

We seek outstanding candidates from throughout the Earth sciences with complementary skills targeting continental margin development, evolution, and physical/chemical exchange across a variety of spatial and temporal scales. An emphasis on the marine portion of the system is envisioned, but candidates investigating onshore aspects of margin processes that cross the shoreline will also be considered. We encourage applicants whose research bears on key processes at margins, including geochemistry, geophysics, dynamics, seismology, tectonics, structural geology, geodesy, petrology, geochemical exchange (high- and low-temperature), geomorphology, glaciology, and ice-margin studies.

All successful candidates will be expected to teach classes, supervise research at both the graduate and undergraduate level and contribute to leadership on issues of equity and diversity. The positions require a PhD degree and a competitive record of publication, as well as evidence of the ability to conduct and fund an active research program consistent with the opportunity to have done so at this career level. The successful candidates will also have demonstrated the highest standards of scholarship and professional activity, or for junior scholars to have the potential thereof. All applications and related materials must be submitted electronically via Academic Personnel On-Line RECRUIT at: (<https://apol-recruit.ucsd.edu>). Emailed applications will not be accepted. Applicants should provide a current CV, cover letter including descriptions of their teaching experience, research interests, state if authorized to work in the U.S., and the names of three potential referees, along with their complete institution address, email address, phone and fax numbers, and a separate personal statement summarizing past or potential contributions to diversity (see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.aspx> and <http://sio.ucsd.edu/Diversity/> for further information). Questions about submission of applications may be addressed to Leslie Costi, (lcosti@ucsd.edu).



To better serve the scientific ocean drilling community, IODP Publications Services is seeking user feedback on the drilling program's scientific publications. If you have accessed IODP publications, particularly the *Proceedings of the Integrated Ocean Drilling Program*, your input about the features and functionality currently offered – as well as your suggestions for improvement – will help shape future publication efforts. Please take a moment to complete a brief survey by following this link: <http://www.surveymonkey.com/s/BLD3F8M>.

The survey should take no more than 15 minutes. The survey will remain open until October 31, 2012, but your early response is appreciated.