



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.org.au

Website: drill.gns.cri.nz

ANZIC Program Scientist

The Australian and New Zealand IODP consortium is inviting applications for the position of Program Scientist. The complete position description, selection criteria, and application portal are accessible at the following link:

<http://jobs.anu.edu.au/cw/en/job/516207/anzic-program-scientist>

News from the ANZIC Office

As notified in the last bulletin, plans for the Australasian IODP Planning Workshop to be held at Sydney University (June 13-16) are almost final, with attendance applications having officially closed on 10 April, and interest is high. This will be a major regional workshop (SW Pacific, Southern Ocean and Eastern Indian Ocean plus adjacent Antarctic margin) like the earlier, highly successful, Indian Ocean and Southwest Pacific Ocean workshops. All funding from the major potential sources is now secured.

ANZIC's Governing Council met by phone on 4 April, but things are going smoothly and no urgent decisions were needed. A new Australian IODP communications strategy is being developed in conjunction with a very experienced consultant, to be implemented before the great opportunities represented this year by the Sydney workshop and the port calls of *JOIDES Resolution* to Townsville, Hobart and Fremantle.

I will be vacating the Program Scientist position that I have held since 2008 in early September this year, to pursue other interests. I have enjoyed the position and will miss the challenges and rewards that it has provided. Thanks to you all for your interest and support over the years. However, I will remain in an honorary position at ANU for some time and will thus be able to provide support if needed. The position is a challenging but rewarding one and is advertised as a part-time (70-80%) ANU Level C/D position at: <http://jobs.anu.edu.au/cw/en/job/516207/anzic-program-scientist>. It is a position of great responsibility and with a great deal of freedom of action, requiring considerable initiative, and interpersonal skills.

The Program Scientist looks after scientific aspects of ANZIC's involvement in IODP. Thus he/she is involved in high-level scientific planning both in Australia and New Zealand and internationally; in the meetings of the ANZIC Governing Council and Science Committee; in scientific workshop planning; in encouraging and helping ANZIC scientists get involved in expeditions and international panels; in encouraging and helping our people develop drilling proposals in conjunction with our international partners; in publicising IODP in the ANZIC context including at scientific conferences and during port calls; and in producing a glossy annual report for wide consumption. Previous experience in scientific ocean drilling activities would be a distinct advantage but is not a pre-requisite. It is expected that the position would be filled by a geologist as very broadly defined.

ANZIC applications have just closed for Expedition 376 (Brothers Arc Flux, north of New Zealand). Cornel de Ronde (GNS) has been appointed co-chief scientist. A dozen applications for shipboard positions will be assessed by the Science Committee in the next few weeks, and a ranked list of suitable applicants will be forwarded to the expedition leadership by the end of the month.

There have been two new ANZIC appointments to Expedition 375: Annika Greve (Victoria University Wellington), paleomagnetism; and Claire Shepherd (GNS), nanofossils. We will be putting an Education Officer on *JOIDES Resolution* Expedition 371 (Tasman Frontier Subduction, Lord Howe Rise) later this year. Calls for Expressions of Interest went out recently (<http://iodp.org.au/wp-content/uploads/App-E@S-Exp-371.pdf>). Calls have also gone out for educators and early career scientists to apply for a School of Rock which will be held on the preceding transit from the Philippines (<http://iodp.org.au/wp-content/uploads/SOR-Subic-2017.pdf>).

The *JOIDES Resolution* South China Sea Expeditions 367 and 368 are addressing the mechanisms of lithosphere extension during continental breakup. Isabel Sauerlich (University of Tasmania) has just come off Expedition 367 as a physical properties specialist, and Kelsie Dadd (Sydney University) will be aboard until June 9th as a sedimentologist.

The *JOIDES Resolution* Mariana Convergent Margin Expedition 366 (December 8 to February 7) investigated the geochemistry, tectonics and biology in an active subduction zone by coring the summits and flanks of serpentinite mud volcanoes on the forearc of the Mariana system, a non-accretionary convergent plate margin. Emanuelle Frery (CSIRO sedimentologist) was aboard and has returned; a report by her is below.

On a lighter note we would like to congratulate Jen Wurtzel of Expedition 363, on her contribution to the ANU Research School of Earth Sciences 'Bake Your PhD' Competition. Jen's entry, titled 'Coring the Jellocene' came with a factsheet explaining IODP and her expedition to the West Pacific Warm Pool!



Neville Exon and Catherine Beasley

Forthcoming IODP expeditions in our region from mid-2017

- *Expedition 371* Tasman Frontier Subduction, Lord Howe Rise, Co-chief Rupert Sutherland, (VUW): July 27 to September 26, 2017. Wanda Stratford (GNS) was appointed as a physical property specialist; Kristina Pascher (GNS) and Gayane Asatryan (Queensland) as radiolarian specialists; and Hugh Morgans (GNS) as a foram specialist.
- *Expedition 369* Australia Cretaceous Climate and Tectonics, Naturaliste Plateau: September 26 to November 26, 2017. Lloyd White (Wollongong) was appointed as a sedimentologist, and Irina Borissova (Geoscience Australia) and Carmine Wainman (Adelaide) as petrophysicists.
- *Expedition 372* Creeping Gas Hydrate Slides & Hikurangi margin LWD, Co-chiefs Ingo Pecher, (Auckland) and Phil Barnes, (NIWA): November 26, 2017 to January 4, 2018. Ben Clennell (CSIRO) was appointed as a petrophysicist and Joshu Mountjoy (NIWA) as a sedimentologist.
- *Expedition 373* Alternative platform Antarctic Cenozoic Paleoclimate, George V Land and Adélie Land shelf sediments has been deferred until 2019-20.
- *Expedition 374* West Antarctic Ice Sheet Climate, Ross Sea, Co-chief Rob McKay, (VUW): January 4 to March 8, 2018. Giuseppe Cortese (GNS) has been appointed as a radiolarian specialist.
- *Expedition 375* Hikurangi subduction margin, Co-chief Laura Wallace, (GNS): March 8 to May 5, 2018. Other appointments are Martin Crundwell (GNS), foram specialist; Annika Greve (Victoria University Wellington), paleomagnetism; and Claire Shepherd (GNS), nannofossils.
- *Expedition 376* Brothers Arc Flux, north of New Zealand, May 5 to July 5, 2018. Cornel de Ronde (GNS) has just been appointed co-chief scientist. ANZIC applications were called for on 18 January and have just closed. A dozen applications will be vetted by the Science Committee in the next few weeks, and a ranked list of suitable applicants will be forwarded to the expedition leadership by the end of the month.
- *Expedition 378* South Pacific Paleogene: October 14 to December 14, 2018
- *Expedition 379* Amundsen Sea Ice Sheet History: January 18 to March 20, 2019

Applications are invited for a postdoctoral fellowship working as a member of both the EarthByte & Geocoastal Research Groups in the School of Geosciences as part of 1-year Sydney Research Excellence Initiative project.



THE UNIVERSITY OF
SYDNEY

Postdoctoral Research Associate in carbonate platform numerical modeling

School of Geosciences
Faculty of Science
Reference no. 621/0317

- Join an organisation that encourages progressive thinking
- Be valued for your exceptional knowledge and experience in high quality research
- Full-time, fixed term for 1 year (remuneration package: \$106K-\$114K p.a. which includes leave loading and up to 17% super)

About the opportunity

Applications are invited for a postdoctoral fellowship working as a member of both the EarthByte & Geocoastal Research Groups in the School of Geosciences as part of 1-year Sydney Research Excellence Initiative project.

The position will focus on using observational carbonate reef geology to design and calibrate numerical carbonate stratigraphic models under different forcing conditions related to sediment input and ocean/wave dynamic evolution. Ultimately your work will advance our understanding of how reefs and carbonate platforms develop in the context of sea level change, lateral and vertical motion of continental shelves, ocean circulation and changing sediment input. The project will also address the question: how does the demise of reefs and carbonate platforms influence the global carbon cycle?

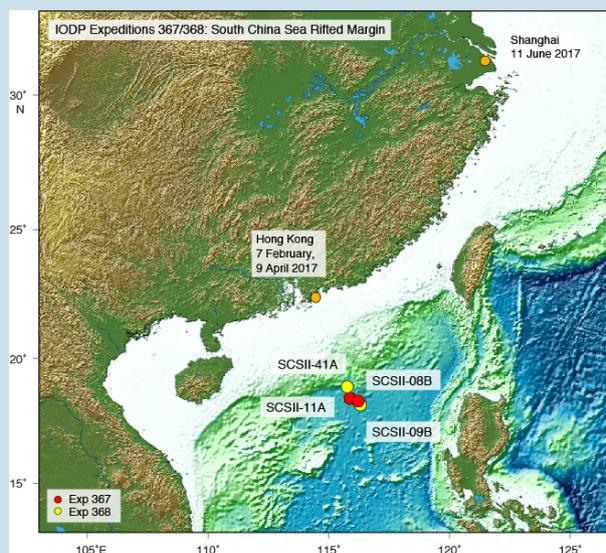
For more information : <http://bit.ly/2oxhZCn>

AT SEA

IODP Expeditions 367 & 368

South China Sea Rifted Margin

In a pair of expeditions to the South China Sea aboard the *JOIDES Resolution*, scientists will explore the mechanisms of lithosphere extension during continental breakup by drilling four sites across a 300-km wide zone of highly extended, seaward thinning crust. The expedition will core through thick sedimentary sections to look for serpentinized mantle in the underlying continent-ocean-transition basement zone. The presence or absence of serpentinite will support competing models of plate rupture. Study of the sedimentary sections will constrain the timing of rifting, rate of extension, and crustal subsidence that resulted the present-day South China Sea, leading to a new understanding of how marginal basins begin and grow.



ANZIC will be represented by Kelsie Dadd (USyd) as part of the Sedimentology team on Expedition 367, continuing her work from Expedition 349.

Follow the *JOIDES Resolution* on [Facebook](#) or <https://www.youtube.com/user/theJOIDESResolution> and read daily or weekly reports at: <http://iodp.tamu.edu/scienceops/sitesumm.html>