Australian Acoustical Society - Queensland Division
Christmas Party & Technical Meeting
Wednesday 5th December 2012

Date & Time: 6:30pm, Wednesday 5th December 2012

Event: A 3-course sit-down dinner with drinks subsidised by the Society. A technical presentation will be made during the main course by the Guest Speaker.

Venue: Queensland Cricketers’ Club, 411 Vulture Street, East Brisbane
http://www.qldcricketersclub.com.au
The Queensland Cricketers’ Club is located 3 kilometres from the CBD, via the South East Freeway and taking the Vulture Street exit. Club entrance and reception is via the ramp walkway from Vulture Street (opposite the German Club).

Members and Function Clients have access to the car park situated on the corner of Main and Vulture Streets. The entrance is via the driveway, off Main Street, between Vulture Street and Sports House South. A downloadable map with instructions can be found at www.qldcricketersclub.com.au/_lib/QCCCarParkInfo.pdf.

Guest Speaker: Dr Rebecca Dunlop
Cetacean Ecology and Acoustics Laboratory
School of Veterinary Science
University of Queensland
Gatton Campus, Qld 4343, Australia

Humpback whales are the most vocal of the baleen species in that they use a wide and varied catalogue of social sounds. More than 36 different sound types (vocal sounds and surface-generated sounds from energetic surface behaviours) were found during a three year study on migrating humpback whales. Other species of baleen whale use less than 8 different sounds. Animals generally modify the type of sound used or specific sound features (frequency, duration, amplitude for example) when the social context of the vocalising animal changes, or when there are changes in the environment they are vocalising in. Humpback whales have been found to do the same thing. They use different types of sounds depending on the social composition of the group they are in (a mother with her calf, a mother, calf and escorting male, an animal on its own) as well as the presence of other singing animals in the area. They also vary specific sound properties (the frequency and amplitude at which they vocalise) when group dynamics change. During periods of high wind noise, humpback whales modify both their acoustic repertoire as well as vocal signal properties. Signalling groups gradually switch from primarily vocal to primarily surface-generated communication in increasing wind speeds and background noise levels, though keep both signal types in their repertoire. They also
tend to vocalise more loudly with increasing noise levels. Determining how whales modify their vocal behaviour in increasing levels of background noise as well as with changes in social context will give us an important insight into how they might cope with increasing levels of anthropogenic noise.

Rebecca completed her PhD in Belfast focusing on stress physiology and neuroethology in Dec 2002. She then moved to Australia and started working in humpback whale bioacoustics and behaviour as a post-doc at the University of Queensland. After finishing her post-doc, she remained at the University of Queensland as a lecturer in physiology, and now co-runs the Cetacean Ecology and Acoustics Laboratory within the School of Veterinary Science, University of Queensland. Her current interests are social communication in humpback whales, acoustic surveys of cetaceans and behavioural response studies in large marine mammals.

Cost: $35.00 AAS Members
$50.00 Accompanying person(s)


RSVP: Wednesday 28th November 2012
Claire Richardson: AAS QLD Treasurer
Email: aas@ane.com.au
Fax: 07 3245 7809

Payment: Payment must be made using the attached registration form (which also becomes a tax invoice after payment).
No payments will be able to be made on the night.
Australian Acoustical Society  
ABN 28 000 712 658  
Queensland Division  
PO Box 760  
Spring Hill QLD 4004

REGISTRATION

Please complete form and return together with your payment to: Claire Richardson: AAS QLD Treasurer  
aas@ane.com.au  
07 3245 7809  
PO Box 760, Spring Hill QLD 4004

1. REGISTRATION DETAILS
   A. AAS MEMBER (please print in block letters)

   Surname: ____________________________  
   Address: ____________________________  
   City: ____________________________  
   State: ____________________________  
   Postcode: ____________________________  
   Country: ____________________________  
   Telephone: ____________________________  
   Email: ____________________________  
   Special Dietary Requirements: ____________________________

   B. ACCOMPANYING PERSON(S) (please print in block letters)

   Surname: ____________________________  
   First Name: ____________________________  
   Special Dietary Requirements: ____________________________

   Note: If there is more than one accompanying person, please attached corresponding details to this form

2. PAYMENT DETAILS (fees in Australian Dollars, including 10% GST)

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<th>Type</th>
<th>Cost</th>
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<td>AAS Member</td>
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<td>Accompanying Person(s)</td>
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TOTAL PAYMENT DUE: $__________

☐ Please find attached a cheque payable to: Australian Acoustical Society – QLD DIV
☐ Please debit my credit card:
   Type of card: ☐ Visa  ☐ MasterCard
   Name: ____________________________
   Number: ____________________________
   Valid from: ___ / ___  Expiry: ___ / ___
   Date: ___ / ___ / ___  Signature: ____________________________

☐ I have made a direct deposit into the Australian Acoustical Society Queensland Division bank account
   Bank: ANZ  
   BSB: 014-281  
   Account No: 5631 84149  
   Account Name: Australian Acoustical Society – QLD DIV
   NB: Please include the reference “Xmas12” with your name in the “TO” account description section

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