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Abstract

GENETIC POPULATION STRUCTURE AND CONNECTIVITY OF AZOREAN LIMPETS

There is growing consensus that anthropogenic activities significantly disrupt the structure and functioning of marine ecosystems. Oceanic islands such as the Azores (NE Atlantic) are unique habitats with fragile communities, which are highly susceptible to degradation and ecosystem disruption. Patellid limpets have traditionally been collected as a food resource and in 1988 the limpet fishery in São Miguel Island collapsed, and after which a one-year ban was implemented allowing the stocks to recover and avoiding catastrophic overexploitation effects. In 1993, legislation was passed to protect this resource, i.e. limpet no-take areas were created, seasonal harvesting restrictions were applied and minimum legal catch sizes were established. However, a recent survey has shown that limpet populations still show clear signs of overexploitation and some populations are virtually extinct in some islands. Here we have developed new multiplexed and described microsatellite markers for the species *Patella aspera* and *P. candei* and have examined their genetic diversity, gene flow and population connectivity in the Azores Archipelago. Overall, such information is a fundamental asset to inform conservation strategies and to promote the sustainable exploitation of macaronesian limpets.

ePoster:

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Details

Poster presentation

Session #:032

Date: 2/24/2014

Time: 16:00 - 18:00

Location: Poster/Exhibit Hall

Presentation is given by student: Yes

PosterID: 2606



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- 2652 **Molari, M.**; Meyer, S.; Weber, M.; Ramette, A.; **Boetius, A.**: EFFECT OF SEABED CO₂ EMISSIONS ON BENTHIC MICROBIOTA IN A COASTAL ECOSYSTEM (PANAREA ISLAND, ITALY)
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033 Ocean Acidification In Coastal Environments

Chair(s): Jeremy T. Mathis, jeremy.mathis@noaa.gov
Richard A. Feely, richard.a.feely@noaa.gov

Location: Kamehameha Hall III

- 2561 **Chou, W.**; Gong, G.; Hung, C.; Wu, Y.: CARBONATE MINERAL SATURATION STATES IN THE EAST CHINA SEA: PRESENT CONDITIONS AND FUTURE SCENARIOS
- 2562 **Hu, X.**: EXPLORING ESTUARINE ACIDIFICATION AND MINIMUM BUFFER ZONE
- 2563 **Kim, D.**: SEASONAL VARIATIONS IN ARAGONITE SATURATION STATES IN KWANGYANG BAY, KOREA
- 2564 **Shishido, C. M.**; Klinger, T. L.; Thom, R. M.: CARBON DRAW-DOWN POTENTIAL BY THE NATIVE EELGRASS *Z. MARINA* IN PUGET SOUND AND IMPLICATIONS FOR OCEAN ACIDIFICATION MANAGEMENT
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E Komo Mai – Welcome!

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23–28 February 2014

Hawaii Convention Center Honolulu, Hawaii, USA

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This is the 17th Ocean Sciences Meeting.

This joint meeting is an international gathering co-sponsored by the American Geophysical Union (AGU), the Association for the Sciences of Limnology and Oceanography (ASLO), and The Oceanography Society (TOS).

The meeting includes over 5,000 oral and poster presentations, stimulating plenary talks and a refreshing keynote on Sunday evening by National Geographic Explorer, Elizabeth Kapu'uwailani Lindsey. Plenaries have been scheduled on Tuesday and Thursday mornings following the first set of concurrent sessions, to allow some time for session participants to “reenergize” and get excited by topics that may be outside their daily interaction. The speakers are primed to present their material to a broad audience of ocean scientists, so all of the talks should be of interest to all participants.



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We encourage you to use the meeting website and mobile app for all current information and to navigate the meeting.



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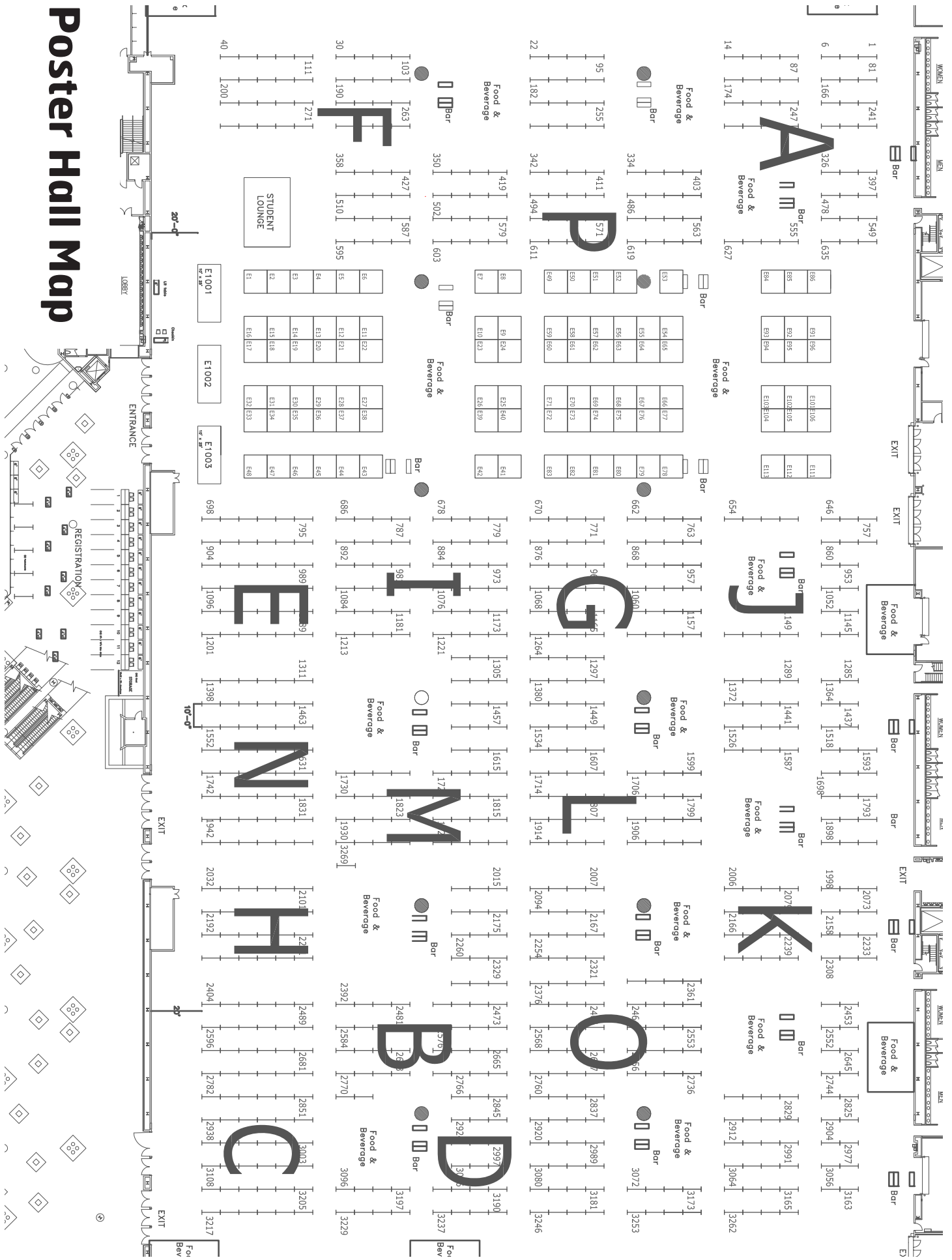


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Changes to the scientific program will also be published on an addendum that will be posted on message boards.

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Poster Hall Map



2016 OCEAN SCIENCES MEETING

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New Orleans, Louisiana

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