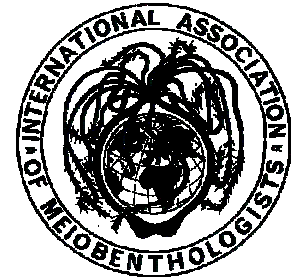


PSAMMONALIA

The Newsletter of the
International Association of Meiobenthologists

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Well, the place looks spectacular,
so why is that statue-dude frowning?



The International Association of Meiobenthologists
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Editorial

THIRIMCO is just around the corner and another 3 years has past in the blink of an eye. Many of us are looking forward to renewing long-time, long-distance relationships with colleagues and compatriots. The rarity of week-long discussions focused on wee-beasties many only consider in passing is itself a unique event compelling celebration. The THIRIMCO Organizing Committee has worked diligently to put together an outstanding conference (see below). For those “regulars” unable to attend our conference, YOU WILL BE MISSED!

This will be my last *Psammonalia* before the new Chairperson takes over in the New Year and publishes the January issue. The past few years have been, ah, challenging, but it is with a mixture of relief and sadness that I step down as Chairperson at the end of 2007. Relief in that I won't have to struggle to overcome my severely limited artistic abilities and produce yet another *Psammonalia* cover, and sadness in that there is so much I feel has been left undone; *mea culpa*. Our society may or may not be at a crossroads, and the future represents both a promise and a challenge. A promise in that what started out as a small group of “friends” in the mid-1960s has maintained an unbroken record of encouraging and fostering international dialogs that span the range of questions from taxonomic to ecologic. The same group has continued to champion meiofauna as model organisms with which serious scientific questions can be addressed. A challenge in that the complexities of modern-day life increase the pressures to set priorities scrupulously and

simplify, simplify, simplify. Under such pressures, the head often rules over the heart and much is lost. It is my sincere hope that IAM will meet the challenges and live up to the promises that wait over the horizon. It has been a pleasure to serve as your Chairperson these past 3 years and I would like to thank every IAM member for their support, input, and understanding!

Cheers and see y'all in Recife,
Keith

THIRIMCO



Dear participant,

As THIRIMCO approaches the website (<http://www.ufpe.br/thirimco/>) will be edited and updated continually so the Organizing Committee recommends participants and interested parties to check the site for new information about the Conference.

IAM will be providing 10 student travel awards for the Organizing Committee to cover registration+ at THIRIMCO, similar to the number provided at the Ravenna Conference. Awards will be provided to the selected students at the Conference.

Sincerely yours,

LOCAL COMMITTEE



**THIRIMCO
CONFERENCE
PROGRAM
OVERVIEW
Scientific Agenda &
Social Events**

Su, 29 th July 10:00- 15:00 h	Registration Recife Palace Hotel
Su, 29 th July 15:30 – 22:00 h	Welcoming Reception Olinda Tour & Opening Dinner
M, 30 th July 9:00 – 18:00 h	Oral Session: Ecology of Meiofauna
T, 31 st July 8:00 – 12:00 h	Oral Session: Major Projects: Manuela
T, 31 st July 13:40 – 18:00 h	Oral Sessions: Select Habitats and Trophic Relationships
W, 1 st Aug. 8:00 – 12:00 h	Oral Session: Deep-sea meiofauna
W, 1 st Aug. 13:40 – 16:00 h	Oral Session: Chemosynthetic Environments
W, 1 st Aug. 16:00 – 19:00h	Poster Session & Cocktails
Th, 2 nd Aug. 8:00 – 12:00 h	Oral Session: Pollution & environmental impact
Th, 2 nd Aug. 13:40 – 17:00 h	Oral Session: Phylogeny, morphology & molecular analysis
Th, 2 nd Aug. 17:00 – 18:00 h	Association Meeting
Th, 2 nd Aug. 19:00 – 22:00 h	Closing Banquet Barbecue Restaurant
F, August 3 rd 8:30 – 18:00 h	Porto de Galinha Beach Excursion

The Olinda Tour and Opening Dinner- transport will take the group from the Recife Palace Hotel to visit Olinda Old City until 18:00 h.

Afterwards, the group will be taken to the Conference's Opening Banquet where a music and dance group will present typical dances. Transport will return to Recife Palace Hotel at 22:00 h.

At the Poster Session typical cocktails will be served. A local dance group will present typical dances to close the session.

The Closing Banquet will be held at a Barbecue Restaurant near Recife Palace Hotel after which the traditional society raffle and limerick contest will be held. Please bring would like to ask every one to bring souvenirs of his/her country to donate to the raffle.

Porto de Galinha Beach Excursion- Transport will pick participants up at the Recife Palace Hotel at 8:30 h (travel time ca. one hour). Individuals will be left in the village's center and during three hours the participants may enjoy the beach, go on board the rafts (typical vessel), swim in sandstone reef pools, shop at popular craft fairs, or rent a Buggy to visit nearby beaches. Lunch will be served at 1300 h in a local seafood restaurant where a typical music group will play. The afternoon is free time to go shopping, etc. with the return to the hotel at 17:00 h.

Accompanying persons will have a daily schedule to visit Recife, Olinda, the cities nearby, museums and other tourist places, but must pay for these separately.

The Organizing Committee

IAM WebMaster

It has been 10 years since Plymouth and XIMCO where I became WebMaster for the IAM website. During that time the site has undergone two major facelifts including the latest designed and programmed by Courtney Burge (<http://www.courtneyburge.com>). Time has come for the site to “move on” and take up residence at a new institution administered by a new webmaster. If anyone is interested in taking on the job, please contact the current [webmaster](#). The new site location and webmaster will be confirmed at THIRIMCO during the Business Meeting

Thanks!
Keith

New Members

Brian Gregory
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All Things Turbellaria

Dr. Anno Faubel will be retiring in September 2007 and has accumulated a more or less complete stock of all important Turbellarian taxonomic and many ecological references (e.g., books, reprints and copies). The materials are compiled in two data bases (Microsoft Access), one on the literature and the other on species. The compilation at the species level contains a complete species

list with many cross-references to the related literature data base. Dr. Faubel would like to sell the complete set (data base and reprints), low-priced, to a “loving home.” For more information see the website below.

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Recent Literature

- Afanasiev-Grigoriev, A. G., J. K. Zograf, and V. V. Yushin. 2006. The nuclear envelope in the spermatozoa of *Leptosomatides marinae* (Enoplida, Leptosomatidae). *Russian Journal of Nematology* **14**:185-191.
- Alcaraz, C., and E. Garcia-Berthou. 2007. Food of an endangered cyprinodont (*Aphanius iberus*): ontogenetic diet shift and prey electivity. *Environmental Biology of Fishes* **78**:193-207.
- Arroyo, N. L., K. Aarnio, and E. Olafsson. 2007. Interactions between two closely related phytal harpacticoid copepods, asymmetric positive and negative effects. *Journal of Experimental Marine Biology and Ecology* **341**:219-227.
- Balsamo, M., L. Guidi, L. Pierboni, R. Marotta, M. A. Todaro, and M. Ferraguti. 2007. Living without mitochondria: spermatozoa and spermatogenesis in two species of *Urodasys* (Gastrotricha,

- Macro-dasyida) from dysoxic sediments. *Invertebrate Biology* **126**:1-9.
- Bert, W., M. Messiaen, F. Hendrickx, J. Manhout, T. De Bie, and G. Borgonie. 2007. Nematode communities of small farmland ponds. *Hydrobiologia* **583**:91-105.
- Bhadury, P., M. C. Austen, D. T. Bilton, P. J. D. Lamshead, A. D. Rogers, and G. R. Smerdon. 2007. Exploitation of archived marine nematodes - a hot lysis DNA extraction protocol for molecular studies. *Zoologica Scripta* **36**:93-98.
- Bolam, S. G., M. Schratzberger, and P. Whomersley. 2006. Macro- and meiofaunal recolonisation of dredged material used for habitat enhancement: Temporal patterns in community development. *Marine Pollution Bulletin* **52**:1746-1755.
- Botelho, A. P., M. C. Da Silva, A. M. Esteves, and V. Fonseca-Genevois. 2007. Four new species of Sabatieria Rouville, 1903 (Nematoda, Comesomatidae) from the Continental Slope of Atlantic Southeast. *Zootaxa*:39-57.
- Brandt, A., C. De Broyer, I. De Mesel, K. E. Ellingsen, A. J. Gooday, B. Hilbig, K. Linse, M. R. A. Thomson, and P. A. Tyler. 2007. The biodiversity of the deep Southern Ocean benthos. *Philosophical Transactions of the Royal Society B-Biological Sciences* **362**:39-66.
- Casu, D., G. Ceccherelli, M. Curini-Galletti, and A. Castelli. 2006. Short-term effects of experimental trampling on polychaetes of a rocky intertidal substratum (Asinara Island MPA, NW Mediterranean). *Scientia Marina* **70**:179-186.
- Chang, C.Y. and T. Chatterjee. 2006. *Agauae laeviunguis*, A New Species of Halacarid mites (Acari, Halacaridae) from Korea *Integrative Biosciences*. **10**: 175-182.
- Chatterjee, T. & C.Y. Chang. 2007. Two New Species of the Genus *Agauopsis* (Acari, Halacaridae) from Korea *Zoological studies*. **46**:176-185.
- Chatterjee, T. and C.Y. Chang. 2006. Descriptions of two new species of the genus *Copidognathus* and females of *Copidognathus jejuensis* (Acari: Halacaridae) from Korea. *Journal of Natural History*. **40**: 1761-1774.
- Chatterjee, T., M. De Troch and C.Y. Chang. 2006. Three Halacarid Mites of the Genus *Copidognathus* (Acari, Halacaridae) from Zanzibar, Tanzania *Cahiers de Biologie marine*. **47**:177-187.
- Chertoprud, E. S., M. V. Chertoprud, L. A. Garlitskaya, A. I. Azovsky, and D. V. Kondar. 2007. Spatial variability of the structure of the Harpacticoida (Copepoda) crustacean assemblages in intertidal and shallow-water zones of European seas. *Oceanology* **47**:51-59.
- Chinnadurai, G., and O. J. Fernando. 2006. Meiobenthos of Cochin mangroves (Southwest coast of India) with emphasis on free-living marine nematode assemblages. *Russian Journal of Nematology* **14**:127-137.
- Chinnadurai, G., and O. J. Fernando. 2007. Meiofauna of mangroves of the southeast coast of India with special reference to the free-living marine nematode assemblage. *Estuarine Coastal and Shelf Science* **72**:329-336.

- Dahms, H. U., T. Harder, and P. Y. Qian. 2007. Selective attraction and reproductive performance of a harpacticoid copepod in a response to biofilms. *Journal of Experimental Marine Biology and Ecology* **341**:228-238.
- De Wit, P., and C. Erseus. 2007. Seven new species of *Grania* (Annelida : Clitellata : Enchytraeidae) from New Caledonia, South Pacific Ocean. *Zootaxa*:27-50.
- Derycke, S., T. Backeljau, C. Vlaeminck, A. Vierstraete, J. Vanfleteren, M. Vincx, and T. Moens. 2007. Spatiotemporal analysis of population genetic structure in *Geomonhystera disjuncta* (Nematoda, Monhysteridae) reveals high levels of molecular diversity. *Marine Biology* **151**:1799-1812.
- Flint, H. C., J. T. P. Copley, T. J. Ferrero, and C. L. Van Dover. 2006. Patterns of nematode diversity at hydrothermal vents on the East Pacific Rise. *Cahiers De Biologie Marine* **47**:365-370.
- Fonseca, G., and T. Soltwedel. 2007. Deep-sea meiobenthic communities underneath the marginal ice zone off Eastern Greenland. *Polar Biology* **30**:607-618.
- Gallucci, F., and E. Olafsson. 2007. Cannibalistic behaviour of rock-pool copepods: An experimental approach for space, food and kinship. *Journal of Experimental Marine Biology and Ecology* **342**:325-331.
- Gaudes, A., S. Sabater, E. Vilalta, and I. Munoz. 2006. The nematode community in cyanobacterial biofilms in the river Llobregat, Spain. *Nematology* **8**:909-919.
- Gollner, S., J. Zekely, C. L. Van Dover, B. Govenar, N. Le Bris, H. L. Nemeschkal, and M. Bright. 2006. Benthic copepod communities associated with tubeworm and mussel aggregations on the East Pacific Rise. *Cahiers De Biologie Marine* **47**:397-402.
- Heininger, P., S. Hoss, E. Claus, J. Pelzer, and W. Traunspurger. 2007. Nematode communities in contaminated river sediments. *Environmental Pollution* **146**:64-76.
- Hooper, G. J., and J. Davenport. 2006. Epifaunal composition and fractal dimensions of intertidal marine macroalgae in relation to emersion. *Journal of the Marine Biological Association of the United Kingdom* **86**:1297-1304.
- Hoste, E., S. Vanhove, I. Schewe, T. Soltwedel, and A. Vanreusel. 2007. Spatial and temporal variations in deep-sea meiofauna assemblages in the Marginal Ice Zone of the Arctic Ocean. *Deep-Sea Research Part I- Oceanographic Research Papers* **54**:109-129.
- Kaariainen, J. I., and B. J. Bett. 2006. Evidence for benthic body size miniaturization in the deep sea. *Journal of the Marine Biological Association of the United Kingdom* **86**:1339-1345.
- Karlson, K. 2007. Diurnal bioturbating activities of *Monoporeia affinis*: effects on benthic oxygen and nutrient fluxes. *Marine Ecology-Progress Series* **331**:195-205.
- Kusk, K. O., and L. Wollenberger. 2007. Towards an internationally harmonized test method for reproductive and developmental effects of endocrine disrupters in marine copepods. *Ecotoxicology*

- 16:183-195.
- Lillebo, A. I., M. R. Flindt, M. A. Pardal, P. G. Cardoso, S. M. Ferreira, and J. C. Marques. 2007. The faunal role in the degradation of the common intertidal salt marsh plant *Scirpus maritimus*. *Hydrobiologia* **579**:369-378.
- Limen, H., S. K. Juniper, V. Tunnicliffe, and M. Clement. 2006. Benthic community structure on two peaks of an erupting seamount: Northwest Rota-1 Volcano, Mariana Arc, Western Pacific. *Cahiers De Biologie Marine* **47**:457-463.
- Liu, X. S., Z. N. Zhang, and Y. Huang. 2007. Sublittoral meiofauna with particular reference to nematodes in the southern Yellow Sea, China. *Estuarine Coastal and Shelf Science* **71**:616-628.
- Markle, D. F., and K. Clauson. 2006. Ontogenetic and habitat-related changes in diet of late larval and juvenile suckers (Catostomidae) in Upper Klamath Lake, Oregon. *Western North American Naturalist* **66**:492-501.
- Nam, E. J., and W. Lee. 2006. Two new species of the genus *Heteropsyllus* (Crustacea, Copepoda, Harpacticoida) from Jeju island, Korea and Devon, England. *Journal of Natural History* **40**:1719-1745.
- Papageorgiou, N., M. Moreno, V. Marin, S. Baiardo, C. Arvanitidis, M. Fabiano, and A. Eleftheriou. 2007. Interrelationships of bacteria, meiofauna and macrofauna in a Mediterranean sedimentary beach (Maremma Park, NW Italy). *Helgoland Marine Research* **61**:31-42.
- Park, J. K., H. S. Rho, R. M. Kristensen, W. Kim, and G. Giribet. 2006. First molecular data on the phylum Loricifera - An investigation into the phylogeny of Ecdysozoa with emphasis on the positions of Loricifera and Priapulida. *Zoological Science* **23**:943-954.
- Perez, H. A., and C. L. Canovas. 2006. Temporal spatial distribution of benthic meiofauna in four beaches of the northern Havana shore. *Revista De Biologia Tropical* **54**:985-995.
- Peters, L., H. Hillebrand, and W. Traunspurger. 2007. Spatial variation of grazer effects on epilithic meiofauna and algae. *Journal of the North American Benthological Society* **26**:78-91.
- Raes, M., M. De Troch, S. G. M. Ndaró, A. Muthumbi, K. Guilini, and A. Vanreusel. 2007. The structuring role of microhabitat type in coral degradation zones: a case study with marine nematodes from Kenya and Zanzibar. *Coral Reefs* **26**:113-126.
- Raes, M., and A. Vanreusel. 2006. Microhabitat type determines the composition of nematode communities associated with sediment-clogged cold-water coral framework in the Porcupine Seabight (NE Atlantic). *Deep-Sea Research Part I-Oceanographic Research Papers* **53**:1880-1894.
- Raghukumar, C., B. N. Nath, R. Sharma, P. A. L. Bharathi, and S. G. Dalal. 2006. Long-term changes in microbial and biochemical parameters in the Central Indian Basin. *Deep-Sea Research Part I-Oceanographic Research Papers* **53**:1695-1717.
- Rho, H. S., W. Kim, and C. Y. Chang. 2007. Description of two new free-

- living marine nematode species of the subgenus *Desmolorenzenia* (Desmoscolecida, genus *Desmoscolex*) from Korea. *Journal of Natural History* **41**:313-326.
- Robertson, T. L., and J. S. Weis. 2007. Interactions between the grass shrimp *Palaemonetes pugio* and the salt marsh grasses *Phragmites australis* and *Spartina alterniflora*. *Biological Invasions* **9**:25-30.
- Shimanaga, M., H. Nomaki, K. Suetsugu, M. Murayama, and H. Kitazato. 2007. Standing stock of deep-sea metazoan meiofauna in the Sulu Sea and adjacent areas. *Deep-Sea Research Part Ii-Topical Studies in Oceanography* **54**:131-144.
- Skovgaard, A., and E. Saiz. 2006. Seasonal occurrence and role of protistan parasites in coastal marine zooplankton. *Marine Ecology-Progress Series* **327**:37-49.
- Sohlenius, B., and S. Bostrom. 2006. Patch-dynamics and population structure of nematodes and tardigrades on Antarctic nunataks. *European Journal of Soil Biology* **42**:S321-S325.
- Sundback, K., D. G. Petersen, I. Dahlløf, and F. Larson. 2007. Combined nutrient-toxicant effects on a shallow-water marine sediment system: sensitivity and resilience of ecosystem functions. *Marine Ecology-Progress Series* **330**:13-30.
- Taylor, R. L., G. S. Caldwell, H. J. Dunstan, and M. G. Bentley. 2007. Short-term impacts of polyunsaturated aldehyde-producing diatoms on the harpacticoid copepod, *Tisbe holothuriae*. *Journal of Experimental Marine Biology and Ecology* **341**:60-69.
- Veit-Kohler, G., and V. Fuentes. 2007. A new pelagic Alveutha (Copepoda : Harpacticoida) from Potter Cove, King George Island, Antarctica - description, ecology and information on its year round distribution. *Hydrobiologia* **583**:141-163.
- Vidakovic, J., and I. Bogut. 2006. Aquatic macrophytes as a habitat for free-living nematodes. *Nematology* **8**:691-701.
- Worsaae, K., and W. Sterrer. 2006. Description of two new interstitial species of Psammodrillidae (Annelida) from Bermuda. *Marine Biology Research* **2**:431-445.
-

Dear Participant,

We kindly ask you to contact us about the XIII International Meiofauna Conference. We are the OFFICIAL AGENCY of this Conference that will be held at Recife Palace Hotel, at Boa Viagem Beach, from July 29th to August 3rd, 2007.



THIRIMCO - Thirteenth International Meiofauna Conference
July 29 - August 2, 2007
Recife (Brazil)
Conference Center of Recife Palace Hotel *****

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Address: Recife Palace Hotel > Boa Viagem Av., 4070 - Boa Viagem (Place of event)

Internacional Palace 4*	R\$ 127	R\$ 72	R\$ 63
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Address: Internacional Palace Hotel > Boa Viagem Av., 3722 - Boa Viagem (to 100 meters from Recife Palace Hotel)

VALUES ABOVE ARE PER PERSON IN BRAZILIAN CURRENCY.

Attention.: Exchange of reference: US\$ 1,00 = R\$ 2,03 / (Date of reference = Jun 20th, 2007)

Prices can be changed according to hotels rules.

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