

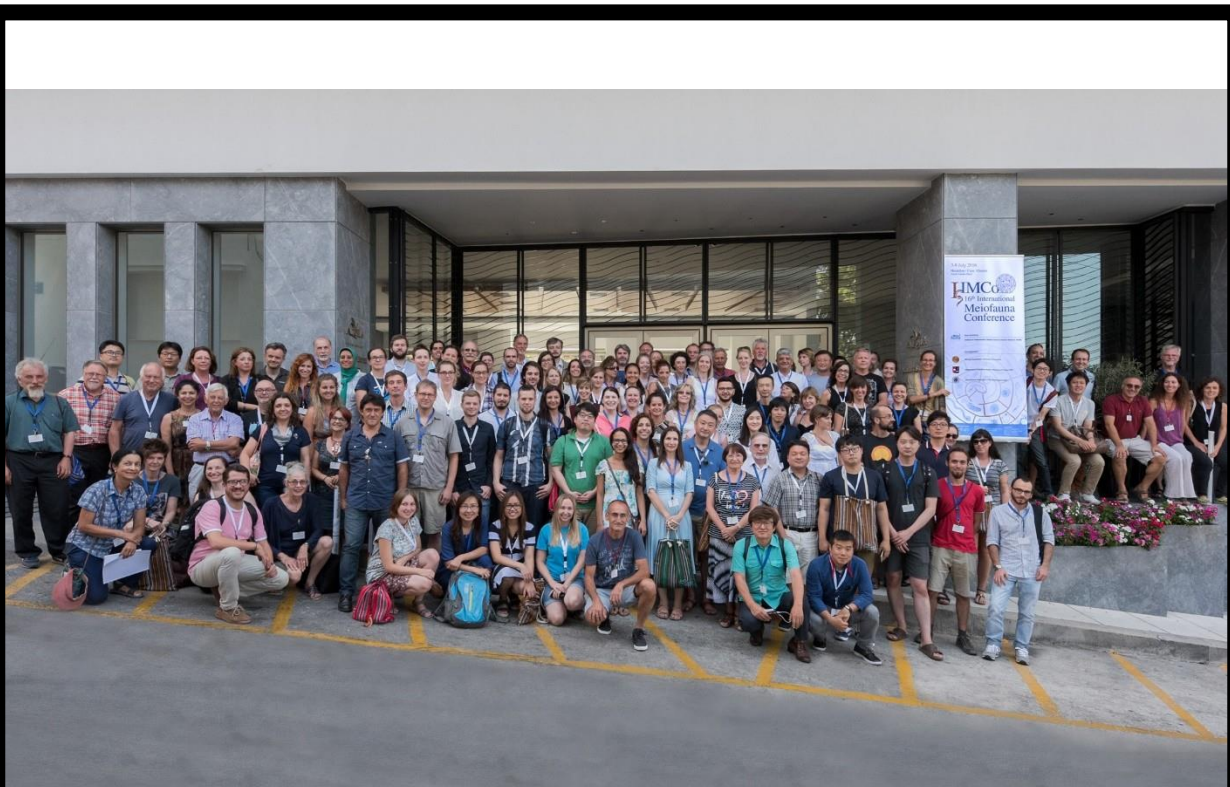
## PSAMMONALIA

The Newsletter of the  
**International Association of Meiobenthologists**



Number 166, December 2016

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Lab. Of Biodiversity  
Dept. Of Life Science, College of Natural Sciences, Hanyang University,  
222 Wangsimni-ro, Seongdong-gu, Seoul, 04763, Korea.



Remembering the good times.  
Season's Greetings, and Happy New Year! (2017)

**DONT FORGET TO RENEW YOUR MEMBERSHIP IN IAM!**

THE APPLICATION CAN BE FOUND AT:

<http://www.meiofauna.org/appform.html>

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### Editor – in – Chief

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## Editorial

Dear colleagues,

We had the successful and fantastic IsIMCo in last July. I enjoyed very much not only the interesting and fruitful conference but also the environment, food, and culture of Herakion during the conference. It was really fantastic experience for me since it was my first visit to Greece! What a beautiful place! I appreciate Nikos and local organizing committee very much for their genuine devotion and efforts on organizing IsIMCo.

I had honorable moments for last three years as a chairperson of IAM with many helps from our colleagues. I believe that our society, IAM, is

expanding to a bigger and better society, and I am very happy to have been part of the process.

I am deeply indebted to all IAM members, all my staffs and students from my lab. for their continuous help and support during the last three years. I'd like to give my special hearty thanks to Vinod Vakati and Raehyuk Jeong who actually edited *Psammonalia* #161 ~ 165 (VV), and #166(RJ).

I am sure that our next chairperson, Vadim will lead us to a better and larger society, and Helena will give us another wonderful experience in Portugal!!

Thank you very much again!

Merry Christmas and Happy New Year!

See you all in Portugal in three years.

*By Wonchoel Lee*

## Words from Nikolaos Lampadariou after IsIMCo

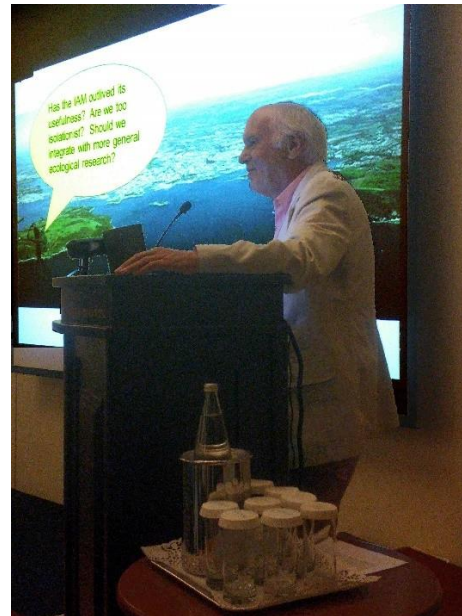
### A big success for IsIMCo in Heraklion, Crete during July 2016!



Gathering at the reception desk

IsIMCo, the 16th International Meiofauna Conference, gathered more than 150 participants from 24 countries to discuss the most recent developments in meiofauna research at its triennial conference held in Heraklion, Crete, between 3 and 8 of July. Four days of working sessions and discussions revealed many exciting results and led to important decisions, including the election of the new President for the 2016-2019 term and the replacement of the executive board members whose term expires at the end of the year. The scientific program included 69 oral and 94 poster presentations which were spread over 4 major topics and 8 sessions, covering almost every aspect of modern and traditional meiofauna research. A very promising sign for the future of the association was the relatively large proportion of students which consisted more than 35% of the participants. During the conference dinner, the traditional raffle raised enough money for the Bertil Swedmark Fund in order to support 10 students with a travel grand award.

## A warm welcome and opening of the scientific program and four vibrant keynote speeches



Keynote speaker Richard Warwick

IsIMCo officially started on Monday, 4 July. In his opening keynote talk, Richard Warwick, one of the most influential scientists in meiofauna research looked back at the early days of meiofauna research providing some interesting and provocative personal views for its future. He took us from the dawn of meiobenthology through the modern era of ecological studies. However, in closing his presentation, he wondered whether meiobenthologists have become too isolationists: "Should we view meiofauna as something special, remaining as an effective Association or integrate with more general ecological research and abandon the Association altogether?". The rest of the day saw a series of papers on meiofaunal patterns and scales from the shallow subtidal to the greatest depths of the deep sea. During the next day, Michaela Schratzberger in her keynote talk emphasized on the wider role of meiobenthos on essential ecosystem services such as food production and nutrient recycling: "Meiofauna can mediate ecosystem processes, thereby increasing the resilience of those benthic

ecosystem processes that are essential for the continued delivery of ecosystem services desired by society”. In his last slide, keynote speaker of the third scientific day Gustavo Fonseca stressed the power of data sharing and the need for an interdisciplinary approach, without which the technological advances of the last decade would remain unexploited. While elucidating the meiofauna trophic interactions through experimentation, Tom Moens, keynote speaker of the final day, strongly criticized our outdated approach to the feeding behaviour of meiofauna, particularly nematodes: “Assessments of the potential contribution of nematodes to carbon flows still heavily rely on a black-box approach, which assigns nematodes to a limited number of feeding guilds and assumes that the trophic interactions of all members of a particular guild are at least qualitatively similar”.



Discussions during the poster session

The poster session took place on Tuesday afternoon and was accompanied by food and drinks. With almost 100 posters, researchers from all over the world presented their most recent research and ideas. It should be mentioned that more than half of the posters were presented by students. All of them did excellent jobs on both the design and quality of research but also on the presentation part.

## Minoan Astarte – A daily dose of ancient culture



At the ancient city of Gortys

The social events offered by IsIMCo were also a big success among participants. People having arrived already on Sunday came out to relax at the icebreaker party at the old harbour of Heraklion. There, among food and drinks, they had the chance to reconnect with old friends and chat with new attendees. The daily conference excursion with visits to the ancient city of Gortys, the palace of Phaistos and the Neolithic caves of Matala also drew many participants. Before these visits, Gareth Owens, a British-Greek academic, currently serving as Associate Director and «Erasmus/Socrates» Manager/Tutor of the International Relations Office TEI of Crete, provided an update on the attempts to decipher Linear A and the secrets of the Phaistos Disc. Gareth asked himself: “I-QE-KU-RJA! Does it mean The Pregnant Goddess or does it mean The Minoan Astarte?”

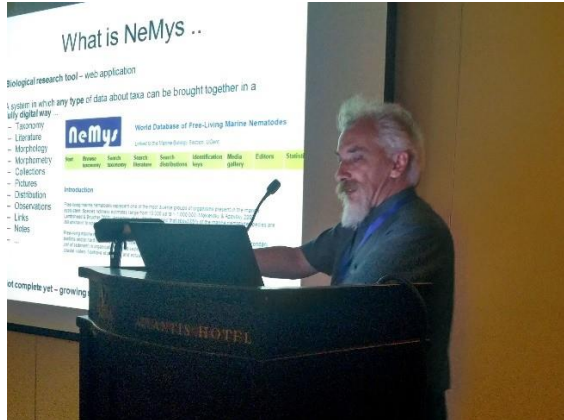


Visit at the Cretaquarium

One day before the end of the conference and just before the Conference Gala Dinner, the participants had the chance to enjoy the beauty of the Mediterranean marine life by visiting the exhibition of Cretaquarium. Participants had already got an idea about it when, during the opening day of the conference, Prof. Anastasios Eleftheriou, in a moving speech on marine life in the Minoan era, underlined the accuracy with which the Minoans captured marine species and marine life in their art, which showed how highly the Minoans rated animals, plants and nature in general. The dinner itself, took place in the courtyard of the aquarium under the warm Cretan night sky.

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## Business meeting of IAM, elections for the term 2017-2019 and next conference (17IMCo?)



Next IAM Chairperson, Vadim Mokievsky

The IAM Executive Committee and the General Assembly meetings took place during the last two days of the conference. Vadim Mokievsky was elected as the next IAM president for the term 2017-2019. Vadim Mokievsky is head of the laboratory of Coastal Benthic Ecology in P.P. Shirshov Institute of Oceanology at the Russian Academy of Science (Moscow). Daniel Leduc from the National Institute of Water and Atmospheric Research, in Wellington, New

Zealand and Nabil Majdi from Bielefeld University, Animal Ecology, Bielefeld, Germany were also elected as executive board members until 2022 in order to replace the board members whose term expires at the end of 2016. The closing of the conference saw Helena Adão, professor at the University of Évora, undertaking the difficult and demanding task to organize our next conference to be held in Portugal during summer of 2019.

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## News from members after IsIMCo

### Karin Pointner

Senckenberg am Meer, Germany

During my studies at the University of Oldenburg I learned about very small animals, living in the sediments. I just thought: Wow, they are so small, so diverse in their appearance and they can be found everywhere – in the sea, in rivers, in lakes, in the deep sea and even in mountain lakes! However, I fell in love with Copepoda because they are so gorgeous. During my studies I had the opportunity to analyze samples not only from the coast and various islands of the North Sea, but also from the deep sea. Still, it was one question that always stayed in my mind: How is it possible, that the same shallow-water species of these small organisms can be found worldwide? How do they spread? I heard about the hypothesis of seamounts and islands acting as stepping stones, and I was so happy starting my PhD-thesis on this topic. I was even happier to be given the chance to present my first results at the 16th International Meiofauna Conference in 2016. It was my first Meiofauna Conference and I really enjoyed meeting scientists from all over the world working with these fascinating meiofauna groups in so many different fields – every talk was special and unique. The same applied for the very interesting poster session. The relaxed atmosphere made it possible to discuss topics

inspired by nicely designed and highly informative posters, to meet old friends, and to establish new contacts and project ideas, which were deepened on the following excursion day. The tour around Crete was very well organized and although it was very hot, everyone really enjoyed it. The well-prepared conference dinner took place at the Cretaquarium, which, by the way, was a pleasure to visit. We had a very good time being entertained by a raffle and funny limericks and served with delicious Greek food. All in all, the conference was a great experience and I would like to thank the organizing committee for their hospitality and this exciting week!

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### **Nuran Özlem Yıldız**

Mersin University, Turkey.

I am PhD student in biology department at the Faculty of Arts and Sciences in Mersin University, in Turkey. In my master's thesis I worked on the taxonomy of intersittial harpacticoids inhabiting in the mediolittoral zone of three small islands in the Aegean Sea of Turkey under the supervision of Prof. Dr. Süphan KARAYTUĞ. I am currently enrolled in PhD programme in Biology Department at Mersin University, Turkey and the subject of my PhD thesis is on the Taxonomy, Phylogeny and Zoogeography of *Ameira parvula* and *Nitocra affinis* species complexes. Although my main interest is harpacticoid copepod taxonomy and phylogeny, I am also involved in taxonomic investigations of Kinorhyncha in collaboration with Dr Martin Vinther Sørensen in Denmark. For this purpose, I also visited Natural History Museum University of Copenhagen between on May- July and studied with Dr. Martin Vinter Sørensen on the systematics and taxonomy of some Turkish kinorhynchs.

My attendance to the 16th International Meiofauna Conference held in Heraklion, Crete was a life time experience for my career. The

conference theme was especially relevant to my professional expertise, and provided me to find the opportunity to network with other professional from the World. I have also empowered my career development and gave the framework to utilize my full potentials. I would like to thank to Student Travel Award Committee for Student Travel Award.

# Snaps from IsIMCo



Check out more photos at <http://isimco.hcmr.gr/>



## Upcoming Conferences

### ICMB 2017: 19<sup>th</sup> International Conference on Marine Biodiversity

February 2<sup>nd</sup> – 3<sup>rd</sup> 2017 Melbourne, Australia

<https://www.waset.org/conference/2017/02/melbourne/ICMB>

The ICMB 2017: 19th International Conference on Marine Biodiversity aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Marine Biodiversity. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Marine Biodiversity.

#### Important deadlines:

Abstracts/Full-Text Paper Submission Deadline:  
November 30, 2016

Notification of Acceptance/Rejection:  
December 10, 2016

Final Paper (Camera Ready) Submission &  
Early Bird Registration Deadline:  
December 20, 2016

Conference Dates: February 2 - 3, 2017

### ALSO 2017 Aquatic Sciences Meeting



February 26<sup>th</sup> – March 3<sup>rd</sup> 2017 Honolulu, Hawaii

<http://www.sgmeet.com/aslo/honolulu2017/default.asp>

The purpose of ASLO is to foster a diverse, international scientific community that creates, integrates and communicates knowledge across the full spectrum of aquatic sciences, advances public awareness and education about aquatic resources and research, and promotes scientific stewardship of aquatic resources for the public interest. Its products and activities are directed toward these ends. With almost 4,000 members worldwide, the society has earned an outstanding reputation, and is best known for its journals, its interdisciplinary meetings, and its special symposia.

#### Important deadlines:

October 14<sup>th</sup> 2016 – Abstract submission deadline

October 2016 – Early registration rates end

November 2016 – Authors notified of acceptance, session schedule posted

December 2016 – Program schedule posted, abstracts available

### 46<sup>th</sup> Benthic Ecology Meeting 2017

**BENTHIC ECOLOGY MEETING  
SEERS SPRING MEETING 2017**

*Myrtle Beach & Conway, South Carolina, April 12-16*

April 12<sup>th</sup> – 16<sup>th</sup> 2017 Myrtle Beach, South Carolina USA

<http://www.bemsociety.org/>

The Benthic Ecology Meeting Society (BEMS) is a non-profit organization established to run a yearly meeting to exchange scientific information focusing on marine benthic ecosystems (e.g., rocky intertidal, coral reef) and to foster the next generation of benthic biologists. The mission of the BEMS is to promote research in benthic ecosystems, support the exchange of information

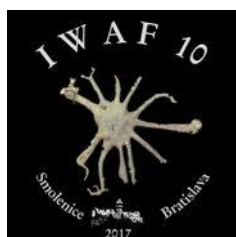
about benthic ecology, and encourage student participation to develop the next generation of benthic ecologists. BEMS is organized exclusively for educational and scientific purposes. Membership in the BEMS is conferred through attending a yearly meeting. Meetings attract both national and international participants. In 2017, the BEMS will hold its 46th annual meeting simultaneously with the SEERS Spring Meeting 2017 in Myrtle Beach and Conway, South Carolina.

Important deadlines:

- Early-bird registration: February 15, 2017
- Abstract submission: February 15, 2017
- Beneath the Waves film submission: February 3, 2017
- Group rate availability at conference venue: March 13, 2017  
(The Sheraton has guaranteed the discounted conference rate for 3 days before and after the official meeting.)
- Online registration: April 3, 2017

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**10<sup>th</sup> International Workshop on Agglutinated Foraminifera**



April 19<sup>th</sup> – 23<sup>rd</sup> 2017 Smolenice Castle, Slovakia

<http://geo.sav.sk/event/iwaf-10/>

The workshop is open to anybody interested in agglutinated foraminifers both fossil and modern, and follows the workshop previously held in Zaragoza in 2012 (IWAF-9). The workshop should be of interest to both academic and industrial participants. Following the tradition of

the IWAF meetings, it will be specifically open to young researchers and students. We aim to provide a scientifically stimulating and socially enjoyable forum to meet and discuss results related to Agglutinated Foraminifera.

Important deadlines:

May, 2016 - First circular  
September, 2016 - Second circular  
November 30, 2016 - Deadline for registration  
December 15, 2016 - Deadline for abstract submission  
December 31, 2016 - Discounted payment of conference fee  
February 15, 2017 - Deadline for payment of conference fee  
February 15, 2017 - Third circular  
April 19, 2017 - Registration and icebreaker party  
April 20-21, 2017 - Technical sections  
April 22, 2017 - Field trip to Mid-Váh Valley area  
April 23, 2017 - Field trip to Brezovské Karpaty Mts., Malé Karpaty Mts. and Vienna Basin

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**6<sup>th</sup> International Conference on Biodiversity and Conservation**



April 27<sup>th</sup> – 28<sup>th</sup> 2017 Dubai, UAE

<http://conferenceonbiodiversity.blogspot.com>

Conferenceseries LLC invites all the scholars from all over the world to attend and present their respective scientific research at '6th International Conference on Biodiversity and Conservation' during April 27-28, 2017 in Dubai, UAE which includes prompt Keynote presentations, Oral talks, Poster presentations, Delegate views and Exhibitions.

Biodiversity 2017 is a global platform to discuss and learn about Ecology and its associated fields, Evolution of Species, Plant & Animal Biodiversity, Biodiversity Management, Fauna & Flora, Biodiversity & Food Security, Conservation of Endangered Species, Marine Biodiversity, Forestry and Sustainable Energy Development.

OMICS International Organizes 3000+ Global Events inclusive of 600+ International Conferences, 1200+ Workshops and 1200+ Symposiums every year across USA- Europe & Asia with support from 1000 more scientific societies and publishes 700+ Open access journals which contains over 30000 eminent personalities, reputed scientists as editorial board members.

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## Society for Freshwater Science 2017



June 4<sup>th</sup> – 8<sup>th</sup> 2017 Raleigh, North Carolina, USA

<https://www.freshwater-science.org/Annual-Meeting/Annual-Meeting.cfm>

In our Raleigh 2017 meeting, we want to challenge the SFS community to shift their focus to how freshwater science can help imagine and implement solutions to the complex set of problems that plague freshwaters. Advancing our understanding of ecological processes will continue to be important, but is insufficient to meet future challenges. At SFS 2017 we will discuss and debate compelling ideas about how freshwater scientists can individually and collectively contribute to solution pathways that improve the trajectory of freshwater ecosystems. Our goal is to encourage all members of SFS to

use their science to Inspire the public by sharing stories about the wonders of freshwater ecosystems; Inform stakeholders about the threats to and possibilities for future freshwater management and Insert our knowledge into real-time policy decisions, management actions, and technological innovations that will ultimately determine our freshwater future.

### Important deadlines:

- Early Registration  
December 1, 2016 - March 24, 2017
- Regular Registration  
March 27 - May 26, 2017
- Special Session Call for Papers  
May 22 - October 31, 2016
- Special Session Selection  
October 19 - November 6, 2016
- Abstracts Open/Close  
November 9, 2016 - February 23, 2017
- Special Session Chair - Review Period  
February 17-23, 2017
- Program Committee Online Review Period  
February 23 - March 3, 2017
- Abstract Selection/Planning Visit - Raleigh  
March 8-10, 2017
- Preliminary Speaker Notification  
March 13-17, 2017
- Preliminary Speaker Confirmation Due  
March 17, 2017 -
- Presenter Deadline to Confirm & Register  
- April 14, 2017
- Last Day for Program Book Materials  
- April 28, 2017
- Onsite at Conference in Raleigh  
June 4-8, 2017

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## 10<sup>th</sup> International School on Foraminifera

June 11<sup>th</sup> – 30<sup>th</sup> 2017 Urbino, Italy

<http://www.isf.tmsoc.org/pdfs/10th%20ISF.pdf>

The 10th Course on Foraminifera is designed to provide an overview of the Taxonomy, Ecology,

Biodiversity, and Geological History of Benthic and Planktonic Foraminifera. This intensive course is intended for students interested in Micropalaeontology, Palaeoceanography, Palaeoecology, Climate History, Biology, and Environmental applications. The aim is to provide a primer on the study of foraminifera and examples of how foraminifera can be used as (paleo) environmental and (paleo) oceanographical proxies. We review the current classification schemes of the foraminifera, discuss their ecology and life history, review their usefulness for biostratigraphical applications, and use case studies to investigate the geological history of the group with lab and practical sessions. The entire course consists of approximately 60 hours of lectures and 60 hours of practical work.

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### **The Crustacean Society Mid-Year Meeting (TCS Mid-Year Meeting 2017)**



June 19<sup>th</sup> – 22<sup>nd</sup> 2017 Barcelona, Spain

<http://www.tcs2017barcelona.com/welcome.htm>

We are pleased to announce that 2017 mid-year meeting of The Crustacean Society (TCS) will be organized by the Spanish Research Council (CSIC) and University of Barcelona (UB) and will take place in Barcelona, Spain, from 19<sup>th</sup> to 22<sup>nd</sup> June 2017. The symposium with already some decades of existence will give particular emphasis to the areas historically covered by the TCS meetings (ecology, fisheries, larvae, taxonomy, among many others topics). The

meeting will also include the “11<sup>th</sup> Colloquium Crustacea Decapoda Mediterranea” and the “5<sup>th</sup> Crustacean Larval Conference”.

The congress will be organized with parallel oral sessions and poster exhibitions, and will include several invited plenary lectures made by world renowned crustacean researchers. Registration fees were kept as low as possible to encourage the participation of early career marine scientists and students. PhD students will have the opportunity to compete for awards for best oral and poster presentations.

#### Important dates:

March 31<sup>st</sup> 2017 – 1<sup>st</sup> deadline for early registration

April 30<sup>th</sup> 2017 – Deadline for abstract submission

May 15<sup>th</sup> 2017 – Deadline to inform authors about the acceptance of their abstracts

May 31<sup>st</sup> 2017 – Deadline for authors to register for the Congress

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### **13<sup>th</sup> International Conference on Copepoda**



July 16<sup>th</sup> – 21<sup>st</sup> 2017 Los Angeles, California USA

<http://www.13icoc.org/>

Every three years since 1981 the World Association of Copepodologists (WAC) holds an international conference called the International Conference on Copepoda or the “ICOC.” These

have become the most important global gatherings for all researchers and students of copepods. Each conference gives participants the chance to meet fellow researchers, talk with students and experts, borrow material, and plan collaborations. Each meeting is unique, teeming with the individuality and culture of the host nation.

The next ICOC will be in 2017 in Los Angeles, CA, USA at the Cabrillo Marine Aquarium and DoubleTree by Hilton San Pedro - Port of Los Angeles. We are expecting 250 attendees from all over the world.

Important dates:

Registration opens: January 1, 2017

Abstracts due: March 15, 2017

Registration closes: June 15, 2017

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**56<sup>th</sup> Annual Meeting of the Society of Nematologists**

August 13<sup>th</sup> – 16<sup>th</sup> 2017 Williamsburg, Virginia, USA

<https://nematologists.org/>

The Society of Nematologists (SON) is an international organization formed to advance the science of nematology in both its fundamental and economic aspects. To serve this purpose, the Society of Nematologists acts as an agency for the exchange of information, holds regular meetings, and promotes and extends knowledge in all phases of nematology. The Society operates on a nonprofit basis exclusively for the accomplishment of these educational and scientific goals.

Further information TBA

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**ICIM-4 International Congress on Invertebrate Morphology**



August 18<sup>th</sup> – 23<sup>rd</sup> 2017 Moscow, Russia

<http://www.icim4.com/>

All invertebrate morphologists are kindly invited to attend the 4<sup>th</sup> International Congress on Invertebrate Morphology (ICIM 4) to be held in the Lomonosov Moscow State University in August 2017. The university campus is located in a picturesque area of Moscow, which is well known not only for being Russia's capital but for its architectural and cultural diversity. There are a lot of curious historical buildings dating from medieval and imperial days, Soviet epoch and modern times. Moscow is a huge centre of tourism and culture. Various music fests and art exhibitions take place here. Every guest will find in Moscow something truly special to satisfy his interests and passions. Numerous museums, theatres, parks and restaurants of any kind of cuisine will meet the demands of even experienced traveler. Special mention should be made of the Moscow metro that is believed to be one of the most beautiful in the world.

Important dates:

October 10<sup>th</sup> 2016 – Registration starts

February 1<sup>st</sup> 2017 – Early registration deadline

April 30<sup>th</sup> 2017 – Registration deadline

October 10<sup>th</sup> 2016 – Abstraction submission starts

April 30<sup>th</sup> 2017 – Abstract submission deadline

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## 18<sup>th</sup> International Symposium on Ostracoda



August 27<sup>th</sup> – 31<sup>st</sup> 2017 Santa Barbara, CA USA

<https://iso18.eemb.ucsb.edu/>

Since 1963, specialists have gathered for the International Symposium on Ostracoda (ISO). Every four years, ISO brings together experts on fossil and living ostracods to foster connections. ISO stimulates international dialog and an exchange of research ideas. In 2017, the 18th ISO at UCSB is proud to host ostracod workers from all nations, from disciplines ranging from biology to geology, and with expertise on all geological periods from the Cambrian to the present.

### Important dates:

November 1<sup>st</sup> 2016 – Session proposals

April 1<sup>st</sup> 2017 – Abstract submissions

June 1<sup>st</sup> 2017 – Registration (early reduced rate)

July 1<sup>st</sup> 2017 – Registration (standard)

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## Recent literatures

- [1] Álvarez-castillo L, Hermoso-salazar M, Estradas-romero A, Prol-ledesma RM and Pardos F (2015). First records of Kinorhyncha from the Gulf of California: horizontal and vertical distribution of four genera in shallow basins with CO<sub>2</sub> venting activity. *Cah. Biol. Mar* 56: 271-281.
- [2] Bacci T, Penna M, Rende SF, Trabucco B, Gennaro P, Bertasi F, Marusso V,

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