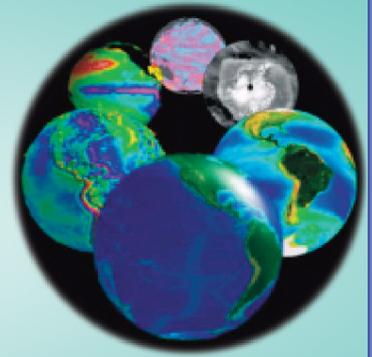


BULLETIN

of the

PORSEC

Association



Volume 5.3 December 2011

Dear PORSEC Members,

Hoping this note finds you all doing well at the end of 2011 and wishing you all a fine 2012 with participation in our conference and/ or tutorial course in November.

Please see the Second Circular <http://www.porsec2012.incois.gov.in/> from the Local Organizing committee (high resolution) for details of the sessions or go to the PORSEC home page. Abstract deadline is January 31, 2012.

Please read the items on participation in your organization and the opportunity to become a PORSEC mentor. We also have announcements about PORSEC related publications in this issue, and some short reports for your general interest.

Looking forward to 2012 and meeting many of you again in Kochi, India.

Gad Levy and Kristina Katsaros

Co-editors of the PORSEC Association Bulletin

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PORSEC President's Message December 2011

PORSEC 2012 (Kochi India on November 5 to 9, with planned student tutorial October 28 to November 2) is approaching with the scheduled abstract submission deadline already very near. The planned session list is impressive, the venue looks exciting, and I hope to see everyone there. Stephanie King and I are planning the pre-conference visit, traditionally 6 months to a year before the actual conference. We'll be visiting Kochi and Hyderabad and will report back in the next issue of the Bulletin. Lingzis Tang, PORSEC's president-elect, also plans to come. My wife will come with me. Stephanie plans to take her husband and tiny Emily, so we'll have quite a good-sized group.

We have just about finished preparing the PORSEC 2010 Keelung, Taiwan IJRS Special Issue. We expect to have about 20 papers included.

I feel a need to apologize for my country's recent withdrawal from the Kyoto accord. I could claim that many other countries might do the same if they had extensive oil sands, but I certainly expected better from Canada. I keep watching posted values on the Keeling curve, waiting for any sign that humanity is able to "bend the curve downwards." Nothing so far.

Jim Gower, 14 December 2011



Your Role as a MEMBER of PORSEC Association!

We know that many of you would like to be closer to the activities of our Association. You can volunteer to join any of our committees by writing to the president, Dr. James Gower, (Jim.Gower @ dfo-mpo.gc.ca). In 2012 the best contributions are made by participation in the many sessions proposed for the conference at Kochi and by encouraging your colleagues and students to come to the symposium itself, to the tutorial course or to both. For this you may have to apply to your government institutions for travel funds, so now is the time to take action on that. International conferences require financial support and, so we need all of our members to make an effort in their respective communities to help with the finances.

In the box below you will find the announcement of a new effort by the Association to provide mentorship to younger members.

PORSEC'S NEW MENTORSHIP PROGRAM

The PORSEC Association is planning to launch a mentorship program for students and young scientists.

The program will match established scientists with new scientists who require help with written work. The mentorship will focus on improving written English and scientific concepts. In this first year we aim to pair mentors with students attending PORSEC 2012 in Kochi, India. Students will be encouraged to bring written work, particularly papers nearly ready for journal submission. We plan on hosting a meeting at the conference for all mentor/mentee participants and also hope to have involvement of an editor of an international journal.

The mentorship program fits well with PORSEC's mission statement by encouraging international cooperation and sharing of expertise and engaging young scientists for the purpose of advancing science. One possible outcome is improving the quality of submissions to the published conference proceedings.

We need PORSEC volunteers! Please contact organizer Stephanie King (stephanie.king@dfo-mpo.gc.ca) if you are interested in participating in the program as a mentor or with the organization of the program.

Symposium at Max Planck Institut für Meteorologie, Hamburg, Germany, November, 9- 10, 2011

Klaus Hasselmann

Report by Kristina B Katsaros

A symposium to honor Klaus Hasselmann on the occasion of his 80th birthday was organized by the institute that had been started for him back in 1975. The Max Planck institutes are founded and financed to allow scientific work with a particular focus to take place. They require a strong leader and are usually ended when that leader retires, but in the case of the *MPI für Meteorologie* it was allowed to continue with a new leader and is still going strong with several different people having taking on the leadership over the years, since Hasselmann's retirement. One reason was that the theme was climate studies and those are still very much needed. It was interesting to hear from Prof. Reimar Lüst about the beginnings of this institute, and how he had first met Klaus Hasselmann. Prof. Lüst had been in the Max Planck Society at the time and the need for a climate center had been identified. The rest is as we say "history". Prof. Hasselmann, who had been trained as a physicist and moved on to air-sea interaction, including wave modeling, took on the task of developing a climate model for the atmosphere, which eventually evolved to a coupled ocean-atmosphere climate model that can be run without so called flux-adjustments. Many tricks had to be used in the early days to do long runs of these models. The computers improved and the climate models with them.

The symposium speakers included Walter Munk of the Scripps Institution in La Jolla, California, who had hosted Klaus Hasselmann as a pot-doc in the early 1960's, Gerbrand Komen of the Netherlands, who had carried the wave modeling to fruition (*Reference: Komen GJ, L Cavaleri, M Donelan, K Hasselmann, S Hasselmann and*

PAEM Janssen, 1994: Dynamics and Modelling of Ocean Waves. Cambridge University Press, 532 pp.) Kommen told us that 150 countries today rely on the results of this work in their forecasts of ocean waves. Several directors, who had followed Prof. Hasselmann at *MPI für Meteorologie* also spoke about the development of the institute, which now consists of several departments with 300 employees. Hartmut Grassl spoke about "What we have learned", Ben Santor about "Internal and Physical consistency of detection and attribution". ----A very "hot topic" today, "The atmospheric water cycle—how will it change in a warmer climate?" was discussed by Lennart Bengtsson, one of the former directors, who earlier led the European Center for Medium-range Weather Forecasts, ECMWF. Ola M. Johannessen of the Nansen Research Center in Bergen, Norway, spoke on "The Arctic climate, present and future perspectives". There were many more luminaries who spoke, and the atmosphere was up-lifting and stimulating. The invitees were treated to good food and musical entertainment by an a-capella singing group consisting of several members of the current MPI staff.

Some of the younger people spoke of the new developments; for instance, Louise Nuijens spoke about "Observations for model development". Her images of new measurement facilities looked like a dream to someone like this author, who had been in field programs during Klaus Hasselmann's early career as a leader of air-sea and remote sensing experimental programs. We thought of ourselves as very up-to-date and modern then, but there has certainly been some progress since the 1970s. It was a great pleasure for me to be in the audience of this very special event.

For further insight, I recommend going to the following web-site for Max Planck Institute for Meteorology, Hamburg, click on "home" and explore several articles there. Under News you will also find a report on the Hasselmann symposium and a picture of Klaus Hasselmann giving his thank-you's to the speakers.



Klaus Hasselmann

Ocean temperature threshold for hurricanes is rising

A new study by researchers at the International Pacific Research Center (IPRC) of the University of Hawaii at Mānoa shows this threshold sea surface temperature for convection is rising under global warming at the same rate as that of the tropical oceans. Their paper appears in the Advance Online Publications of Nature Geoscience.

In order to detect the annual changes in the threshold sea surface temperature (SST) for convection, Nat Johnson, a postdoctoral fellow at IPRC, and Shang-Ping Xie, a professor of meteorology at IPRC and UH Mānoa, analyzed satellite estimates of tropical ocean rainfall spanning 30 years. They find that changes in the threshold temperature for convection closely follow the changes in average tropical sea surface temperature, which have both been rising approximately 0.1°C per decade.

The change in tropical upper atmospheric temperatures has been a controversial topic in recent years because of discrepancies between reported temperature trends from instruments and the expected trends under global warming according to global climate models. The measurements from instruments have shown less warming than expected in the upper atmosphere. The findings of Johnson and Xie, however, provide strong support that the tropical atmosphere is warming at a rate that is consistent with climate model simulations.

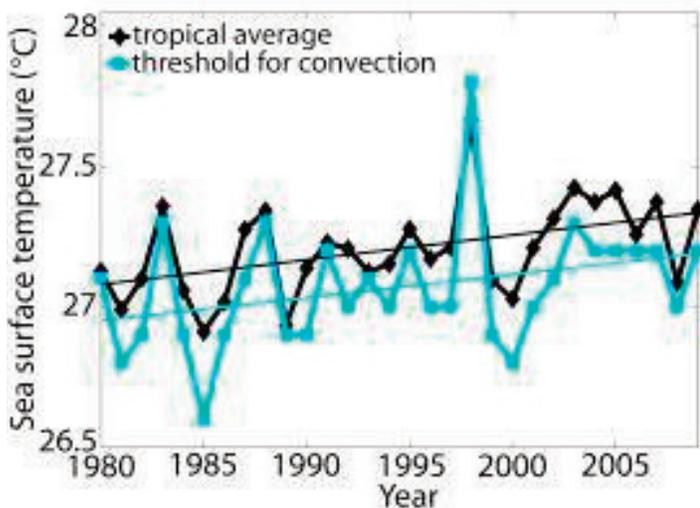
The study notes further that global climate models project that the sea surface temperature threshold for convection will continue to rise in tandem with the tropical average sea surface temperature. If true, hurricanes and other forms of tropical convection will require warmer ocean surfaces for initiation over the next century.

Arctic sea ice at minimum extent for 2011

On September 9, 2011 sea ice extent dropped to 4.33 million square kilometers (1.67 million square miles). This appears to have been the lowest extent of the year, and may mark the point when sea ice begins its cold-season cycle of growth. In the National Snow and Ice Data Center High-resolution image, the orange line shows the 1979 to 2000 median extent for that day, and the black cross indicates the geographic North Pole.

This year's minimum was 160,000 square kilometers (61,800 square miles) above the 2007 record minimum extent, and 2.38 million square kilometers (919,000 square miles) below the 1979 to 2000 average minimum. Note that NSIDC estimated uncertainty for extent is plus or minus 50,000 square kilometers (about 20,000 square miles). The minimum ice extent this year is very close to 2007, and indeed some other research groups place 2011 as the lowest on record. At this point, using NSIDC processing and sensor series, the 2011 minimum is a close second. The National Snow and Ice Data Center continuously records Sea Ice Index data from space.

Source: National Snow and Ice Data Center
<http://nsidc.org/>



Average observed tropical (black) and estimated SST (blue) rose together in the last 30 years.

Reference:

Doug M. Smith, Rosie Eade, Nick J. Dunstone, David Ferriday, James M. Murphy, Holger Pohlmann, Adam A. Scaife. Skilful multi-year predictions of Atlantic hurricane frequency. *Nature Geoscience*, 2010; DOI: 10.1038/ngeo1004

Source: University of Hawaii at Mānoa press release

News about PORSEC members

Gad Levy receives honor

We are glad to report on the honor awarded our Vice President, Gad Levy, from NASA. Dr. Levy was recognized for his valuable contribution and outstanding support to the Advanced Components Technologies (ACT) program and the NASA Earth Science Technology Office.

Andrew Geiss receives Student Paper Award

Many of you know Andrew Geiss, our student member who attended the last two PORSECs and tutorials. Following his debut presentation as an undergraduate student at PORSEC2010, Andrew presented his work on "A data mining algorithm for climate data: application to double ITCZ" at the 2011 Annual American Meteorological Society and received a Student Paper Award for his paper and presentation.

Stephanie King enjoys motherhood

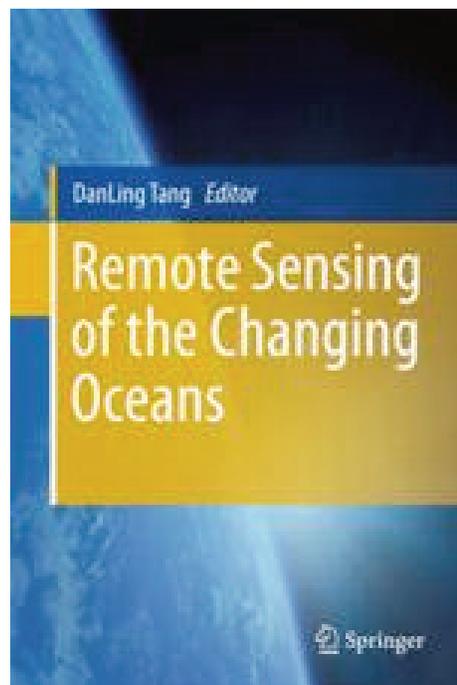
Many of you know Stephanie King as our energetic leader of the Tutorial courses during the last several PORSEC events.

I am sure you will all rejoice with Stephanie and her husband, Terry Learmonth, over their daughter Emilie, born July 2011. Our good wishes for Emilie and her parents!



Stephanie and Emilie King

New book:



Remote Sensing of the Changing Oceans (Springer©)

A book resulting from the PORSEC 2008 has been published by Springer Verlag with Prof. DanLing Tang as chief editor. Please see details about *Remote Sensing of the Changing Oceans* at the following link: [Remote Sensing of the Changing Oceans](#)

NOTICES

Announcements, News, and Opportunities of Interest to the PORSEC Community

ANNOUNCEMENTS & OPPORTUNITIES

2011 U.S. Carbon Cycle Science Plan Released

This new 2011 Plan, initiated by the U.S. Carbon Cycle Interagency Working Group (CCIWG) and the Carbon Cycle Science Steering Group (CCSSG), outlines a strategy for refocusing U.S. carbon cycle research based on the current state of the science. The development of this Plan was led by a committee of 25 active members from the carbon cycle research community, and the result is intended to provide U.S. funding agencies with information on community-based research priorities for carbon cycle science over the next decade.

Please follow the link below to download its PDF version: [Carbon Cycle Science Planning for the Next Decade](#)

Postdocs Applying Climate Expertise (PACE) 2012 Fellowships

The UCAR Visiting Scientist Programs (VSP) in collaboration with the NOAA Climate Program Office, announces the 2012 call for applications to PACE (Postdocs Applying Climate Expertise) Postdoctoral Fellowships. The program has been developed to:

- Grow the pool of scientists qualified to work at the interface between climate science and its applications;
- Transition advances in climate science and climate prediction into climate-related decision making tools and frameworks; and
- Increase and strengthen collaborations between climate research institutions and decision-making institutions across all sectors.

Postdoctoral scientists research and develop tools that will apply climate prediction information to climate-impacted decisions. In each fellowship, the work is conducted under the specification and direction of institutional partners: (1) a Climate Research Institution and (2) a Decision Making institution. The program seeks recent (within the past 5 years) or anticipated PhDs who have expertise in climate science and who are interested in applying their knowledge of the climate system to increase decision-making capacity in climate-sensitive sectors.

Application instructions can be found at: http://www.vsp.ucar.edu/pace/2012/2012_Fellowships.html.

Application Deadline 4 January 2012. The UCAR steering committee will choose a short list of candidates from the pool of applicants by the end of January. Short-listed candidates will be provided information on the 2011 hosting partner institutions and will be asked to write a short proposal to complete the application process. *Proposals are due to VSP on 1 March 2012.*

NOAA Climate and Global Change 2012 Postdoctoral Fellowships

The NOAA Climate and Global Change Postdoctoral Fellowship Program, founded by NOAA in 1990 and administered by the UCAR Visiting Scientist Programs office aims to help train the next generation of researchers needed for climate studies and to establish the seeds of scientific leadership for climate and global change programs of the future. The fellowship program attracts outstanding recent PhDs in sciences relevant to climate and global change focusing on observing, understanding, modeling, and predicting climate variability and change on seasonal and longer time scales. This includes the documentation and analysis of past, current, or possible future climate variability and change and the study of the underlying physical, chemical, and biological processes.

Application Deadline: 18 January 2012.

Application instructions can be found at: http://www.vsp.ucar.edu/cgc/2012/2012_Program.html

Appointments will be announced in March 2012. Preference is given to those who have held a PhD for no more than three years. Awardees must change institutions and identify a host, who must be at a US institution.

POSITION ANNOUNCEMENTS

Assistant Professor position in Atmospheric Science, Corpus Christi, Texas, United States

Texas A&M University-Corpus Christi, United States, is offering an Assistant Professor position in Atmospheric Science. The position will remain open until filled. For more details, see the announcement at:
TAMUCC Atmospheric Science

Brown University – Tenure Track Position in Climate Modeling

The Department of Geological Sciences at Brown University announces a tenure-track faculty position in climate modeling. We seek to integrate climate and paleoclimate modeling as a component in our Earth System History research group, which is a leader in the use of multi-proxy records to understand climate change and environmental response from deep time through the present. We invite applications from climate modelers with fundamental training in ocean, atmosphere, and/or climate dynamics and who could enhance Brown's strengths in paleoceanography, paleoclimatology, biogeochemistry, environmental change, planetary processes, and regional climate modeling and prediction. Experience in the application of climate system models and/or models of varying complexity to paleoclimate problems is preferred. This appointment will have opportunities to collaborate with colleagues in Brown's Center for Computation and Scientific Visualization, Department of Applied Mathematics, Center for Fluid Dynamics, Environmental Change Initiative, Center for Environmental Studies, and the Marine Biological Laboratory at Woods Hole. The successful candidate will be expected to maintain an active, externally funded research program and enjoy a commitment to teaching at both the undergraduate and graduate levels. Appointment is expected at the Assistant Professor level. However, applications and nominations of exceptional candidates at higher ranks will also be considered.

To apply, please email in PDF format a letter of interest addressed to Jim Russell (Chair of the Search Committee), a current CV, statements of research and teaching interests, and contact information for at least three references to ESHsearch @ Brown.edu. **Applications must be received**

by Dec. 16, 2011, in order to receive full consideration, but the search will remain open until the position is closed or filled. A Ph.D. is required at the time of the appointment. The anticipated start date of the position would be July 1, 2012. For more information visit <http://brown.edu/Departments/Geology/BrownGeoJobs.html>

University of California, Irvine – Assistant Professor Positions

a) The Department of Earth System Science at UC Irvine is recruiting a tenure-track Assistant Professor in the area of Climate Dynamics. We welcome applicants who use observations and/or models to examine physical processes regarding climate system variability and connections between different parts of the climate system. Candidates should complement the Department's existing strengths in atmospheric and oceanic sciences, ecosystems, climate & global change. Candidates are expected to develop an active research program, and to teach and direct research at the undergraduate, graduate, and postgraduate levels. Please follow this link for further information:
<http://www.ess.uci.edu/opportunity/physcli20110919>

b) The Department of Earth System Science at UC Irvine is recruiting a tenure-track Assistant Professor in the area of atmospheric chemistry. We welcome applicants in all areas of atmospheric chemistry, including development and deployment of field instrumentation, detection and transformations of trace gases and aerosols, remote sensing, and modeling. Candidates should complement the Department's existing strengths in atmospheric chemistry, ecosystems, climate and global change. Candidates are expected to develop an active research program, and to teach and direct research at the undergraduate, graduate, and postgraduate levels. Please follow this link for further information:
<http://www.ess.uci.edu/opportunity/atmchem20110919>

NEWS

India and France jointly launch a satellite to track monsoons

India's Polar Satellite Launch Vehicle (PSLV-C18) successfully launched the Indo-French MEGHA-TROPiques Satellite on October 12, 2011. This has been the nineteenth successive successful flight of PSLV.

MEGHA-TROPIQUES Satellite, a joint endeavour of ISRO and the French National Space Agency (CNES) with four Science instruments, is intended to study the water cycle and energy exchanges in the tropical region covering 20 deg on either side of the Equator. MEGHA-TROPIQUES is only the second mission of this kind globally, next to the Tropical Rainfall Measurement Mission (TRMM) launched in 1997 by USA and Japan. USA and Japan are presently coordinating for establishing a Global Precipitation Measurement Mission with 8-Satellite Constellation.

Please see ISRO press release for more details.

Canadian Ocean Observing System monitors Ocean Ecosystem Productivity

Monitoring the interactions between the oceans and climate with Earth Observation (EO) satellites provide information on basic productivity of the oceans and how this productivity provides food for fish. It also helps to report on indicators of the health of the ocean ecosystem, its stability and fragility in the face of anthropogenic and natural changes. Cape Nordkinn is the northern point on Nordkinn Peninsula (Barrents Sea) in Norway. The southern area of this deep shelf sea remains mostly ice-free due to the warm North Atlantic Drift. This contributes to its high biological production compared to other oceans of similar latitude. Phytoplanktons are able to convert inorganic compounds such as water, nitrogen and carbon into complex organic materials. With their ability to 'digest' these compounds, they are credited with removing as much carbon dioxide from the atmosphere as their 'cousins' on land - therefore having a profound influence on climate. They are also sensitive to environmental changes, so it is important to monitor and model phytoplankton into calculations of future climate change. To view a phytoplankton bloom captured recently by MODIS (Aqua) on August 14th and by Envisat MERIS on August 17th near Cape Nordkinn, please visit http://eoimages.gsfc.nasa.gov/images/imagerecords/51000/51765/BarentsSea_amo_2011226_lrg.jpg and http://esamultimedia.esa.int/images/imageoftheweek/2011-08-24_AlgaeBloomBarentsSea_H1.jpg.

For more information, please contact: Guy.Aube @ asc-csa.gc.ca.

COURSES, WORKSHOPS AND CONFERENCES

The Weather-Climate Intersection: Advances and Challenges. Advanced Study Program Summer Colloquium

NCAR, Boulder, CO, USA
JUNE 4-22, 2012

This three-week colloquium seeking to garner the interest of young scientists will be held at the National Center of Atmospheric Research in Boulder, Colorado, USA.

Deadline for application is January 31, 2012 with online applications being available starting December 1, 2011.

For details and more information, see the NCAR intersection Advanced Study Program website:

http://www.asp.ucar.edu/colloquium/summer_colloquia.php

Call for abstracts to EGU2012 AS 1.9: The global monsoon system: variability and dynamics

Vienna | Austria | 22 – 27 April 2012

Session Description: Monsoon systems are among the most complex coupled atmospheric and oceanic weather and climate phenomena. They produce much of the rainfall in the tropics and some subtropics and their variability is notoriously difficult to predict at all temporal scales, from intraseasonal to interdecadal. The energy they release impacts the overall circulation in the tropics and influences the mid/high-latitudes through teleconnection patterns. Each monsoon system, the Asian-Australian, African, and North and South American, involves multi-scale interactions among the Earth's atmosphere, ocean, land surface, cryosphere, and biosphere, and is impacted by human activities (land use, aerosols, greenhouse gas emission, etc.). Furthermore, the economies of many countries are strongly impacted by monsoon-related variability.

This session invites presentations on all aspects of monsoon dynamics, from the variability and predictability of the monsoon systems on multiple time-scales, to the impact of monsoons on climate extremes (floods and droughts), and linkages between monsoons and mid/high-latitude climate. Observational, modeling and forecasting studies are welcome.

The abstract submission deadline is 17 Jan, 2012.

Program:

<http://meetingorganizer.copernicus.org/EGU2012/provisionalprogramme/AS>

4th World Climate Research Programme International Conference on Reanalyses (ICR4)

**Silver Spring, Maryland,
USA 7-11 May 2012**

Conference: <http://icr4.org/index.html>

Abstract submission deadline: 6 January 2012

Submit: <http://icr4.org/registration.html>

3rd International Conference on Earth System Modeling (3ICESM)

**Hamburg, Germany
17-21 September 2012**

Conference: <http://meetings.copernicus.org/3icesm>

The Conference aims to advance discourse on Earth system modeling prior to the 5th Assessment Report of the IPCC.

Conference Objectives:

- Sharing understanding of the major challenges facing reanalyses: the changing observing system and the integrated Earth system.
- Assessing the state of the disciplinary atmospheric, ocean and land reanalyses, including the needs of the research community for weather, ocean, hydrology and climate reanalyses.
- Reviewing the new developments in reanalyses, models and observations.

The Second International Conference on Indian Ocean Tropical Cyclones and Climate Change

New Delhi, India 14-17 February 2012

Conference Website:

<http://metnet.imd.gov.in/iotccc/>

The main focus of the conference will be on the linkage between tropical cyclones in the Indian Ocean and climate change. The broad thematic areas of the conference, focused on the Indian Ocean, are as follows:

1. Climate change and tropical cyclone activity over the Indian Ocean
2. Tropical cyclone and climate change related physical science themes
3. Impact of cyclones on the economy, infrastructure and society in individual Indian Ocean countries.

Opportunities and Challenges in Monsoon Prediction in a Changing Climate (OCHAMP-2012)

Pune, India 21-25 February 2012

Conference website:

<http://www.tropmet.res.in/ochamp>

The Indian Institute of Tropical Meteorology (IITM at Pune, India) will be celebrating its 50th year in 2012. As a part of the year long Golden Jubilee celebrations, a five-day International Conference on "Opportunities and Challenges in Monsoon Prediction in a Changing Climate" (OCHAMP-2012) is scheduled. For more details, visit the conference website or contact the Conference Secretariat at: ochamp@tropmet.res.in

Planet Under Pressure 2012 International Conference

26-29 March 2012

London, U.K.

For conference details please see:
www.planetunderpressure2012.net

Conference outline

The four-day conference will follow this flow:

Day 1: State of the planet: the latest knowledge about the pressures on the planet

Day 2: Options and opportunities: exchanging knowledge about ways of reducing the pressures on the planet, promoting transformative changes for a sustainable future and adapting to changes in the global system

Day 3: Challenges to progress: clarifying what is preventing or slowing humanity from implementing potential solutions

Day 4: Ways ahead: a vision for 2050 and beyond, and exploring new partnerships and pathways towards global sustainability

Conference themes

- A. Meeting global needs: food, energy, water and other ecosystem services
- B. Transforming our way of living: development pathways under global environmental change
- C. Governing across scales: innovative stewardship of the Earth system

"Given the mounting evidence of the sheer scale of global changes we are witnessing, the scientific community has a responsibility to urge public officials, citizens, and private firms in all countries to focus on the need for major policy changes to avoid major irreparable damage to our planet. I sincerely hope the 2012 conference will make a significant contribution to placing sustainability on everyone's agenda." Elinor Ostrom, 2009 Nobel Laureate Economics, Chief Scientific Advisor to the Planet Under Pressure conference.

Planet Under Pressure is organised by:

- International Geosphere-Biosphere Programme
 - DIVERSITAS
 - International Human Dimensions Programme
 - World Climate Research Programme
- and their Earth System Science Partnership

NEW BOOKS & PUBLICATIONS

New book: Remote Sensing of the Changing Oceans (Springer©)

A book resulting from the PORSEC 2008 has been published by Springer Verlag with Prof. DanLing Tang as chief editor. Please see details about

Remote Sensing of the Changing Oceans at the following link: [Remote Sensing of the Changing Oceans](#)

New book series: ADVANCES IN GEOSCIENCES (WorldSciBook)

A 6-Volume Set of Advances in Geosciences that continues the excellent tradition of the Asia-Oceania scientific community in providing the most up-to-date research results on a wide range of geosciences and environmental science had been electronically (eISBN: 9789814355391) published in July. The information is vital to the understanding of the effects of climate change, extreme weather on the most populated regions and fastest moving economies in the world. These volumes also highlight original papers from many prestigious research institutions and PORSEC scientists conducting cutting edge studies in atmospheric physics, hydrological science and water resource, ocean science and coastal studies.

For further information:
[Advances in Geophysics](#)

New book: Coastal Altimetry (Springer©)

PORSEC SOC members Stefano Vignudelli and Andrey G. Kostianoy, along with P. Cipollini and J. Benveniste are the editors of a new Satellite Remote Sensing book featuring cutting-edge research in Coastal Altimetry and Coastal Physical Oceanography.

For further information:
[Coastal Altimetry](#)

PORSEC 2012

will be held in

**Kochi, India during
5-9 November 2012**

**with a pre-conference tutorial
prior to the conference**

**Indian National Centre for Ocean Information
Services (INCOIS), Hyderabad, India**

**will be the host for this event,
with its director, Dr. Satheesh C. Shenoi,
acting as the**

Chairman of Local Organizing Committee.

See tentative agenda elsewhere in this issue

PORSEC Database

For our database of the PORSEC Association members we would like you to enter your information directly into our web membership form, if you haven't already done so: <http://porsec.nwra.com/membershipform.php>

Please fill this form even if you have already given the information to us in any other format since we may not have all that information down correctly. **Please use this form to update your information whenever you have any changes.** It can also be used to pay your membership fee.

This form is also accessible through our main page (<http://porsec.nwra.com>) by clicking on "Join the PORSEC Association".

Please work on getting us more members; use the PORSEC home page and the above links for information. The prospective member provides us with the same information through the form. We will bill the person for the membership fee, which can now be paid via "Pay Pal" on the Internet.

Information

For information about the association and links to Newsletters from the president and Bulletin issues go to: <http://porsec.nwra.com/>. To join the PORSEC Association go to membership on the web site or contact one of us directly. The Bulletin of the PORSEC Association is edited by Gad Levy and Kristina B. Katsaros. Production Editor Susanne Öhrvik. ***We welcome contributions about your work and about any activities of our PORSEC members that may be of interest to other members for future issues of the Bulletin.*** To submit articles for this Bulletin of the PORSEC Association, please contact gad at porsec.nwra.com or katsaros at porsec.nwra.com.