

COAA e-News. Issue 15. January 31, 2005.

(Former COAA e-Newsletter)

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P.O. Box 4948, Silver Spring, Maryland 20914-4948, USA

Members please submit news to coaanews@coaaweb.org to be published in future COAA e-News.

Some examples of news items are:

Meeting/conference report/announcement; Research work/activity;
Honors/Award /research grant; Promotion/graduation/change of position/employment/sabbatical;
Latest publication/abstract; Job/research grant opportunity;
Visit/exchange/collaboration; New member;
Community outreach; Social event;

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(0) A message from our president

Dear members, colleagues and friends,

I am excited to send you this greeting as I was honored to be elected to serve as COAA president this year. The new board has met a few times and let me assure you that this board is full of energy and ideas. You can get a feel from the board meeting reports.

Under the leadership of last year's board and the exercise of fiscal restraint COAA's financial health is in good condition. The international conference COAA2004 is a success, and we expect to see some of the conference papers will be published in the reputable journal *Advance in Atmospheric Sciences*. In addition, we have cosponsored conferences, sponsored workshops, providing professional opportunities and uplifting the professional quality of members.

The Lunar new-year celebration luncheon will be held this Saturday, 29 January, 2005 in Tony Lin's Restaurant in Rockville. Dr. Ben Chao will deliver the keynote speech "The Chinese Dragon: Is the answer blowing in the wind?" which promises to be both educational and fun.

And mark your calendar for the April 16 workshop. The program committee has invited program managers from government agencies to discuss their program activities. It is an excellent opportunity to make your work known to you colleagues and potential funding programs.

I received an email from Prof. Hu Dunxin, President of Chinese Society of Oceanology and Limnology who informed me that they have signed the sister relation agreement with COAA. A hearty welcome to CSOL to our big family! We are also discussing a Joint International conference in Qingdao in 2006. This is a major undertaking, and your input and involvement are requested..

To continue the activities, COAA depends on contributions from members and friends. Let me assure you that your tax deductible contribution to COAA will be put to good use to further the goals of COAA: To enhance networking, to facilitate professional contacts, and to improve qualification and occupational opportunities. Your contribution

can be submitted through the Combined Federal Campaign Agency Designation No. 7854 or simply by sending your fully tax deductible check to COAA, P.O. Box 4948, Silver Spring, Maryland 20914-4948.

As we started the new-year, or about to start the year of the Roaster, I wish you good health, success, and prosperity for the new-year! I also ask you to get involve, get a friend or colleague to join and contribute to the success of COAA in the coming year!

Long Chiu
January 2005

(1) From board meetings

1.a The 3rd Meeting of Board'2005 Held at Long Chiu's Residence (recorded by Jun Du)

Called by Long Chiu, the 3rd meeting of COAA Board'2005 was held at Long Chiu's residence, Potomac, Maryland on Dec. 11 (Saturday), 2004 from 3:00 to 4:30 pm. Six Board members - Long Chiu, Jun Du, Sarah Lu, Menglin Jin, Fungchi Ko and Henry Juang - attended the meeting fully. Joe Huang left the meeting early and Dongliang Yuan called in during the meeting, while Zhanqing Li was absent due to travel. Below is a summary of the meeting outcome.

(1) First, Board reviewed the COAA's Holiday greeting card to VIPs which was prepared by Fungchi. After some modifications, Board approved it for distribution;

(2) The COAA's Chinese New Year banquet is set to be on Jan. 29, 2005 (Saturday). Besides dinner, it will have a keynote speaker (Ben Chao -- Long to contact) to talk about the Three-Gorge Dam Project. Door prizes and traditional Chinese New Year "red-envelope" gifts will be prepared. COAA will subsidize 1 dollar for each participants. Fungchi is the coordinator to the event;

(3) To have more participants as well as to have more time to prepare, Board decided to hold the COAA's joint session and member banquet with AGU to the AGU's Fall Assembly (San Francisco, December 2005) instead of its Spring Assembly (as originally planned, see the Nov. 2004 issue of the COAA Newsletter). Zhanqing and Menglin to work out the details;

(4) COAA Spring Workshop will be held at University of Maryland on April 16, 2005, the day after the tax-return day. Some program managers from funding agencies will be invited to introduce their programs to COAA members as part of the workshop program;

(5) A summer Chesapeake Bay tour (July, 2005) and a Fall foliage tour (September 2005) are planned. Fungchi and Long are in charge of the events;

(6) The importance of the corporate membership and membership fee dues was raised again. Board members will work on recruiting more corporate members;

(7) The Board realized that COAA web is an important service to all members. It needs to be continuously improved. Jun and Sarah were added to the web committee;

(8) Dongliang informed the board that Chinese Ocean Society has sent COAA a letter on agreeing to establish "sister-association" relation with COAA;

(9) Chinese Ocean Society has proposed to have an International Ocean Conference to be held in Qingtao, China in 2005/2006, jointly organized with COAA. An initial committee of this conference at COAA side has been formed during the meeting -- all board members led by Dongliang.

1.b The forth COAA board meeting at Long Chiu's House on 01/08/2004 (recorded by Donglian Yuan)

Participants: Long Chiu, Joe Huang, Henry Juang, Fengchi Ko, Menglin Jin, and Dongliang Yuan

(1).Fengchi first briefed on the preparation of the COAA New Year Banquet.

It is decided to be held at Tony Lin Restaurant on Saturday January 29, 2005. The banquet will start at 11:30 am with gifts drawing as one of the traditional activities of the COAA New Year's banquet. Cost is \$15 per person.

*Fungchi Ko is assigned to prepare for the gifts, with help from Menglin Jin;

*Long Chiu is to confirm with Ben Chao about his speech at the banquet for the luncheon (change from dinner to luncheon);

*Long Chiu may contact Frank Pao to see if he'd like to update on the Zhengho event at the banquet;

*Dongliang Yuan will bring some membership forms and directories to the banquet;

*Fungchi will prepare a power point flyer to be sent with 2nd electronic notice.

The address of Tony Lin's Restaurant is at 12015 G Rockville Pike, Rockville, MD 20850.

(2).The COAA spring workshop has been decided to be held between 12:00 noon and 5:00 pm on April 16 at University of Maryland. (The fourth COAA International Meeting to be held in Qingdao in the summer of 2006, to be confirmed, will be announced at the meeting.) The workshop is a half day meeting. Separate sessions of Atmosphere and ocean sciences have been suggested. COAA program chairs have invited program managers to present at the meeting. Menglin will provide some write-up for the upcoming newsletter.

(3).Dongliang Yuan briefed his Qingdao travel and his meeting with Chinese Academician Dunxin Hu. Two hard copies of agreement of sister association between COAA and CSOL are presented to the board and have been approved. President Long Chiu will sign off the agreement and send both copies to Qingdao to be signed by the CSOL sides.

(4).An international meeting proposed by Dunxin Hu, president of CSOL, to be organized jointly by CSOL and COAA in the summer of 2006 in Qingdao was tentatively approved by the board. The subject of this international meeting is "Ocean and Climate". The board suggests that this meeting will replace the next scheduled COAA international meeting to be held in the U.S. Long Chiu will check with the regional directors about their commitment to holding the COAA2006 international conference (see COAA newsletter Nov 2004). If the Qingdao conference becomes the 4th International Atmospheric and Oceanic conference, the the 5th COAA international conference will be postponed till 2009. This suggestion is based on the low approval rate of U.S. visas from China in the past few years and that the international meeting taxes heavily on the resources and efforts of COAA board.

(5).The board discussed on the organization and logistics of the 2006 International meeting. It is understood that the local logistics in Qingdao will be taken care of by CSOL. The board suggests that the meeting should reach out to other Asian countries, particularly South Korean and Japan. In addition to the regular ocean and atmosphere sessions, the board suggests that fisheries, biogeochemistry, and sediment transportation should be included in the meeting. Dongliang will prepare draft planning of the conference, to be circulated among the exec. Committee.

(6).The board discussed extensively on the potential dispute of "One China" issue to the organization of the international meeting. The board suggests the conference will adhere to the United Nation and international protocol for addresses of the scientists from Taiwan.

(7).The board agrees that the corporate membership fees for the year of 2005 need to collected. Membership will work with the Treasurer to send out memberhips list and reminder letter to members and corporate members. Collection of regular membership fees should also proceed.

(2) Welcome new members

Start from this issue, we will welcome our new members who join recently. We would like new-member to say something to our members in terms of yourself, such as from Hui-ya. If you think you are a new member but has not been listed here, please email to let us know. In order to catch up with, we will list members from 2004 and recent life members. The (year) at the end of the member list indicates the year who joined with us.

Following is the member joined in January 2005:

Dr. Hui-ya Chuang, Environmental Modeling Center of NCEP, email: hui-ya.chuang@noaa.gov (2005)
Hui-ya said:" I am glad to have this opportunity to become a COAA member. I have been working at NCEP since I

graduated from the University of Michigan in 1999. It is nice to get to meet a lot of Chinese meteorologists in the DC area. I am looking forward to interacting with COAA members both scientifically and socially."

Dr. Zhixia Zhu, University of Hawaii, Ocean and Resources Engineering (2005).

Following are life members recently, some of them are former member,

Xiaochun Wang, Jet Propulsion Laboratory/Caltech

Xiangqian Wu, DOC/NOAA/NESDIS/ORA, satellite instrument calibration, Environmental satellite application, Climate

Yan Xue, CPC/NCEP/NOAA, yan.xue@noaa.gov ENSO prediction, Ocean analysis, SST, MJO

Following are members joined during 2004

Weiyu Yang, SAIC/NCEP, e-mail weiyu.yang@noaa.gov parallel computations, data assimilation

Qingdao Song, Graduate School of Oceanography, University of Rhode Island, qsong@gso.uri.edu

Zhaomin Wang, McGill University. wangz@zephyr.meteo.mcgill.ca

Chongjin Xu, Tianjin Intl Oceanogr Data and Info Center, chongjinxu@sohu.com

Guomin Wang, Bureau of meteorology, Australia. g.wang@bom.gov.au

Donghai Wang, Hampton University / NASA Langley Research Center, d.h.wang@larc.nasa.gov
Atmosphere storm scale NWP, Cloud resolving simulation, Satellite data applications

Bin Zhao, The Johns Hopkins University, e-mail bzhao@jhu.edu : Physical Oceanography

Ruixin Yang, Earth Systems and GeoInformation Sciences, Email ryang@gmu.edu : Remote sensing, climate, IT

Samuil A. Rybak, Acoustics Institute, Russian Academy of Science, Email rybak@akin.ru
Nonlinear wave theory, Ocean acoustics

Xinan Liu, Department of Mechanical Engineering, University of Maryland, xliu@glue.umd.edu
Physical Oceanography, ocean sciences

Huiling Yuan, University of California, Irvine, huilingy@uci.edu

Jingli Yang, ERT, Inc. yang@killians.gsfc.nasa.gov Satellite system, Earth Sciences

Qingfang Jiang, NRL, Monterey, CA, jiang@nrlmry.navy.mil
Mesoscale modeling, Orographic precipitation, Gravity wave dynamics

Zuojun Yu, RCUH, IPRC/University of Hawaii, email zuojun@hawaii.edu Physical Oceanography

Shuhui Wang, UCLA, Email shw@atmos.ucla.edu

Rong Fu, Georgia Tech, fu@eas.gatech.edu Climate, remote sensing

Weijia Kuang, NASA Goddard Space Flight Center, weijia.kuang-1@nasa.gov
Applied Mathematician/Geophysicist

(3) COAA Lunar New Year Lunch

-- the announcement of COAA lunar New Year Lunching as following: (which is designed by board-member Dr. Fung-chi Ko)

Chinese-American Oceanic and Atmospheric Association



You are invited to COAA's

Lunar New Year Banquet

Keynote Speaker:

Dr. Ben Chao

“Chinese Dragon: Is the answer blowing in the wind?”

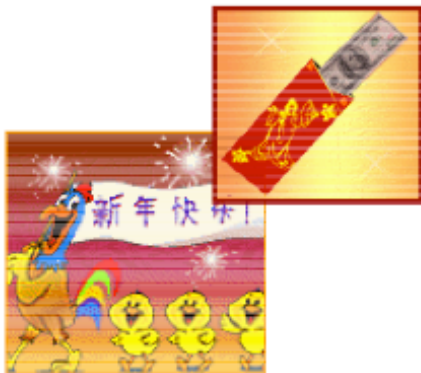
January 29 Saturday 2005 11:30 am

Tony Lin's Kitchen (新陸老) (\$15/person, tax and tip included)

12015 G Rockville Pike, Rockville. 301-4685858

Menu

三福拼盤
海鮮羹
椒鹽蝦
紅燒牛腩筋
香酥豬排
白灼三鮮
清蒸全魚
冬菇菜膽
豉汁蒸排骨
水餃



Contacts:

NASA: Dr. Dongliang Yuan, 401-3704906, dyuan@daacmail.gsfc.nasa.gov

NOAA Suitland: Dr. Sarah Lu, 301-3165028, Sarah.Lu@noaa.gov

NOAA Silver Spring: Dr. Eddie Shih, 301-7626247, eddie.shih@noaa.gov

UM: Dr. Menglin Jin, 301-4058833, mjin@atmos.umd.edu

GMU: Dr. Long Chiu, 703-9931984, chiu@eosdata.gsfc.nasa.gov

Others: Dr. Fung-Chi Ko, 301-4241207, ko@cbl.umces.edu

Please respond by Jan. 26, 2005

(4) Community News

- During the week of Dec. 10-17, 2004, COAA members Drs. Wilbur Chen and T.-W. Yu were invited by Prof. C.-T. Chen of the National Taiwan Normal University (NTNU) in Taipei, Taiwan, to give seminars at the Department of Earth Sciences of NTNU, and to discuss possible collaborations on research projects of mutual interests. As a part of their visiting agenda, Drs Chen and Yu also gave presentations and participated in scientific meetings held at Central Weather Bureau, National Central University, and National Taiwan University.
- Wei-Kuo Tao (NASA) and Brad Ferrier (NOAA) have organized a special session for the AGU Spring Meeting on modeling of microphysical processes in various types of modeling systems, such as cloud-resolving models, numerical weather prediction models, and climate models. We want to attract scientists from many different communities. General description of the Joint Assembly 2005 is available at <http://www.agu.org/meetings/sm05/> and at <http://www.agu.org/meetings/sm05/?content=program> If you are an AGU member, abstracts can be submitted online at <http://submissions5.agu.org/submission/entrance.asp>. The deadline for submitting abstracts by mail is February 3 and online by February 10. Below is a description of the special session. We hope you consider attending this meeting. Please check meeting announcement in the next section of 5.a.

(5) Professional meeting announcements

5.a AGU Spring Meeting, Joint Assembly 2005 in New Orleans, LA, May 23-27 2005

A02: Microphysical Processes in Cloud Resolving, Numerical Weather Prediction, and Climate Models

Continuing advances in computing power are allowing atmospheric prediction models to be run at progressively finer scales of resolution, using increasingly more sophisticated physical parameterizations and numerical methods.

The representation of cloud microphysical processes is a key component of these models, and during the past decade both research and operational numerical weather prediction (NWP) models have started using more complex microphysical schemes originally developed from high-resolution cloud resolving models (CRMs). Cloud resolving models, which are run at horizontal resolutions on the order of 1-2 km or less, explicitly simulate complex dynamical and microphysical processes associated with deep, precipitating atmospheric convection. Because operational NWP models are run at coarser resolutions, the effects of atmospheric convection must be parameterized, leading to large sources of error that most dramatically impact quantitative precipitation forecasts (QPF). A recent report to the United States Weather Research Program (USWRP) Science Steering Committee specifically calls for the replacement of implicit cumulus parameterization schemes with explicit bulk schemes as part of a community effort to improve QPF. It is not clear, however, whether such a strategy alone will resolve the difficult and outstanding challenges that face mesoscale numerical weather prediction. In addition, many global circulation models (GCMs) and climate models are predicting cloud processes using diagnostic and prognostic methods. The coarser resolution of these models make the representation of partial cloud fraction more important, particularly with respect to the large sensitivities and complexities involved with cloud-radiation interactions. Some operational weather centers are, in fact, attempting to unify physics development, including the use of cloud parameterization schemes over a wide range of temporal and spatial scales of motion.

The goal of this session is to discuss the issues concerning the representation of microphysical processes in cloud resolving, weather, and climate models, bringing together those knowledgeable in the areas of cloud microphysical observations, numerical modeling, and weather and climate forecasting.

The following is the list of invited speakers:

Tony Del Genio: Climate model
Andre Tremblay: Operational Canadian models
Bill Cotton: Multi-moments schemes (cloud-aerosol physics)
Peter Yau: Multi-moments schemes (the state of art of microphysical scheme)
Brad Ferrier: WRF/NCEP microphysics
David O'Starr: cirrus microphysics
Judith Curry: polar cloud physics

5.b IMAS Meeting – Second Announcement

9th Scientific Assembly of the International Association of Meteorology and Atmospheric Sciences (IAMAS)
of the International Union of Geodesy and Geophysics (IUGG) Beijing, China, August 2-11, 2005
PAGES' 2nd Open Science Meeting August 10-12, 2005
<http://www.iamas2005.com> and <http://web.lasg.ac.cn/IAMAS2005>

The International Association of Meteorology and Atmospheric Sciences (IAMAS), which is one of the seven scientific associations making up the International Union of Geodesy and Geophysics (IUGG), will hold its biennial Scientific Assembly in Beijing, China from 2-11 August 2005. The theme of the conference is The Fascinating Atmosphere: Changeable and Changing, and will cover all areas of meteorology and atmospheric sciences, including dynamics, radiation, chemistry, electricity, clouds and precipitation, and climate variability and change.

The Second Circular and call for papers has been released (see <http://web.lasg.ac.cn/IAMAS2005/> or <http://www.iamas2005.com>). The circular describes the topics and lists the conveners for 45 symposia that will cover aspects affecting the surface to the middle atmosphere and low to polar latitudes. The International Commission on Snow and Ice and the International Association of Hydrological Sciences are leading the organization of several of the symposia. Special IAMAS symposia are also planned to celebrate the contributions to meteorology of Senior Academician Prof. Ye Duzheng in honor of his 90th Birthday, and to provide an opportunity for lead authors of Working Group I of Intergovernmental Panel on Climate Change (IPCC) to report on progress on the Fourth Assessment Report at the approximate time that the initial chapter drafts are to begin their technical review.

IAMAS 2005 is also being held in conjunction with the Second Open Science Meeting of IGBP/PAGES, which will be held in the same facility in Beijing from 10-12 August 2005 and is entitled Paleoclimate, Environmental Sustainability and Our Future. The main aim of this meeting is to encourage international collaboration and interdisciplinary science, and to increase the visibility of paleoclimate research in Asia. More information can be found at <http://www.pages2005.org/>. The IAMAS and PAGES meetings will take place at the Beijing International Convention Center under the sponsorship of China's leading associations and societies of meteorology and atmospheric sciences. The local organizing committee is chaired by Dr. Guoxiong Wu of the Chinese Academy of Sciences and co-chaired by Dr. Guoguang Zheng of the China Meteorological Administration. As described in the Second Circular and on the Web site, pre- and post-conference tours will be available, as well as a mid-conference tour of Beijing. Information on partial travel grants for young scientists and those from countries in need is also available at the Web site, and applications for such grants are due by 25 February 2005. Abstract submission can be done electronically on the IAMAS 2005 Web site. The IAMAS abstract deadline is 25 February 2005. Registration can also be done over the Web, and early bird registration is available until 1 June 2005.

5.c The 6th International RSM workshop – First Announcement

at
International Research Institute for Climate Prediction
Palisades, NY
July 11-15, 2005
<http://ecpc.ucsd.edu/projects/RSM/RSM2005/>

Host:

Scripps Experimental Climate Prediction Center (ECPC; <http://ecpc.ucsd.edu>)
International Research Institute (IRI; <http://iri.ldeo.columbia.edu/>)
NOAA Office of Global Programs

Program Committee:

John Roads (ECPC), Liqiang Sun (IRI), Masao Kanamitsu (ECPC), Henry Juang (NCEP), Shyh Chen (USFS)

Local Arrangements:

Liqiang Sun (IRI), Nancy Kurul (IRI), John Roads (ECPC), Diane Boomer (ECPC)

Short Course:

Masao Kanamitsu (ECPC), Hideki Kanamaru (ECPC), Henry Juang (NCEP), Song-You Hong (Yonsei University), Jongil Han (NCEP)

Purpose:

The Regional Spectral Model (RSM) was originally developed at the National Centers for Environmental Prediction (NCEP) to provide regional details for the global spectral model (GSM). Since initial publications describing that work (Juang and Kanamitsu 1994) a growing number of users have begun to use the RSM to simulate and forecast regional climate. These regional simulations and forecasts are uncovering new atmospheric phenomenon and help atmospheric modelers better connect with the application community, which needs the highest resolution possible. More recently, the major part of the RSM and GSM (a version of the NCEP Seasonal Forecast Model) have been merged and given the name G-RSM. This merged system facilitates the performance of research with both regional and global perspectives. We would like to gather together international RSM and GSM users to discuss some of the individual modeling features being developed for the RSM and GSM. What are some of the characteristics of the RSM and GSM when run as a climate model? What are the advantages of the RSM over the driving global analysis or global model? What are the applications the RSM and GSM are driving? What are the future plans for the G-RSM?

Therefore following the success of the first five international workshops (Roads, J.O. 2000: The Second International RSM Workshop: Meeting Summary. Bull. Amer. Meteor. Soc., 81, 2979-2980), we intend to meet again from July 11 through Jul. 15, 2005 at the IRI. We plan to better organize and communicate some of the features of our individual RSM model setups, biases, and numerical techniques, and reach out to other researchers and graduate students as they begin new work with this model. Researchers working with the RSM and/or GSM, and new students interested in working with the modeling system, are encouraged to attend.

Short Course (July 11, 2005)

At this workshop, we will again provide an updated G-RSM user guide, which will be used as the basis for a short course focused on items of interest. Please let us know what you would like the short course to cover.

Attendance

1. Are you interested in attending? We welcome suggestions about the planned program from invitees. Please respond with your interest in receiving further information, or email your 1-page abstract (200-400 words) to dboomer@ucsd.edu with a cc to kurul@iri.columbia.edu by April 1, 2005. This abstract should describe your current and planned work with the G-RSM. The abstract should also contain your email address. If there are multiple authors, please specify who will be the presenter. Include this information in the body of the email. We will put the abstract of your work on the web. If you would like us to include a reference to your own web site, where people can find further details about your work, please list the web address on the abstract. An example of a previous abstract is provided at the end of this message.

2. A nonrefundable advance registration fee of \$100 (US dollars) should be sent by mail, along with a hard copy of your abstract, and a completed registration form (PDF) in order to arrive in New York no later than Apr. 1, 2005. Payment after that will be assessed a late charge of \$25.00.

Please make all checks out to "Trustees of Columbia University" and send checks with your paper abstract and completed registration form to:

Ms. Nancy Kurul
61 Route 9W/PO Box 1000
233 Monell Bldg.
International Research Institute for Climate Prediction
Palisades, NY 10964-8000
USA

You will be notified by email when your check and abstract have arrived. Your place on the program is not guaranteed until your advance registration and abstract have been received.

3. Hotel reservation information, meeting arrangements, travel directions, etc. will be posted at:

<http://ecpc.ucsd.edu/projects/RSM/RSM2005/>.

You can also email dboomer@ucsd.edu if you have any questions.

=====Sample Abstract=====

Regional Model Intercomparisons for Brazil
Shyh-Chin Chen and John O. Roads
Scripps Institution of Oceanography

UCSD, 0224, La Jolla, California 92093
schen@ucsd.edu
<http://ecpc.ucsd.edu/projects/brazil.html/>

We have embarked upon a preliminary regional model intercomparison for Brazil organized by The International Research Institute (IRI). The comparison area covers 85W to 25W and 10N to 40S centered over entire Brazil with 50-km resolution. NCEP 28 vertical levels T62 spectral resolution (~200km at the center of the comparison domain) reanalysis from April 1, 1997 through March 31, 1999 is used to initialize and force the regional model for the first phase of this intercomparison project. At ECPC, we are using Regional Spectral Model (RSM), which was originally developed at NCEP. Participating regional models include ETA, MM5 and FSU spectral model. In addition to providing the RSM simulation results, Scripps ECPC has also been in charge of preparing the forcing and validating reanalysis data (<ftp://ecpc.ucsd.edu/pub/BRAZIL>) for all participants. We will discuss at the meeting how the RSM simulation compares to other models in an array of pre-selecting model variables in terms of their simulation quality.

5.d

Sixth International Workshop on Advanced Parallel Processing Technologies (APPT 2005)

27/28 Oct. 2005, Hong Kong, China
<http://www.comp.polyu.edu.hk/APPT05>

APPT is a biennial workshop on parallel and distributed processing. Its scope covers all aspects of parallel and distributed computing technologies, including architectures, software systems and tools, algorithms, and applications. APPT was originated from collaborations by researchers from China and Germany and has evolved to be an international workshop. The past five workshops were held in Beijing, Koblenz, Changsha, Illmenau, and Xiamen, respectively. APPT_i 05 will be the sixth in the series. Following the success of the last five workshops, APPT_i 05 provides a forum for scientists and engineers in academia and industry to exchange and discuss their experiences, new ideas, and results about research in the areas related to parallel and distributed processing

Papers are solicited. Topics of particular interest include, but are not limited to :

- Parallel / Distributed System Architectures
- Advanced Microprocessor Architecture,
- Middleware, Software Tools and Environments
- Parallelizing Compilers,
- Software Engineering issues
- Interconnection Networks
- Network Protocols,
- Task Scheduling and Load Balancing
- Grid Computing, Cluster Computing, Peer-to-Peer Computing
- Internet & Web computing
- Pervasive and Mobile Computing
- Security in networks and distributed systems
- Fault tolerance and dependability
- Image Generation and Processing: Rendering Techniques, Virtual Reality, Visualization, Graphic Processing, etc

SUBMISSION GUIDELINES

Prospective authors are invited to submit a full paper in English (should not exceed 10 pages (12 pt) in length) presenting original and unpublished research results and experience. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Papers must be submitted in PDF (preferably) or Postscript that is interpretable by Ghostscript. Submissions will be carried out electronically on the Web via a link found at the conference web page <http://www.comp.polyu.edu.hk/APPT05/>.

Submissions imply the willingness of at least one author to register, attend the conference, and present the paper. There will be two best student paper awards to recognise distinguished student research.

PUBLICATION

The proceedings of the symposium will be published in Springer's Lecture Notes in Computer Science (Pending).

Important Dates:

Paper submission: 1 April 2005
Acceptance notification: 1 June 2005
Camera-ready due: 1 July 2005
APPT'05 workshop: 27-28 Oct 2005

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Supported by IEEE HK, ACM HK

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**5.e The 8th International Conference and Exhibition on
High-Performance Computing in Asia-Pacific Region**

November 30-December 3, 2005, Beijing, China

<http://www.ict.ac.cn/hpcasia2005>

HPC ASIA is an international conference series held every 18 months on an Asia-Pacific regional site. It provides a forum for HPC researchers, developers, and users throughout the world to exchange ideas, case studies, and research results related to all issues of high performance computing. The last seven conferences were held in Taipei in 1995, Seoul in 1997, Singapore in 1998, Beijing in 2000, Australia in 2001, India in 2002, and Tokyo in 2004.

In addition to contributed technical papers, HPC Asia 2005 will include keynote addresses, invited/plenary speeches, panel discussions, workshops, poster presentations and industrial track presentations. A commercial/research exhibition will be the highlight of HPC Asia 2005.

Authors are invited to submit manuscripts of original unpublished research work in all areas of high performance computing, including the development of experimental and commercial systems. Relevant topics include (but are not limited to) the following:

- System Architecture and Models for HPC
- System Software for HPC
- Algorithms and Applications for HPC
- Performance Evaluation and Productivity
- Grid Computing

Technical Paper Submission Instructions:

Authors are invited to submit papers of no more than 8 pages of double column text using single spaced 10 point size type on 8.5x11 inches papers, as per IEEE 8.5x11 manuscript guidelines (see <http://www.computer.org/cspress/instruct.htm>). Authors should submit a PDF file that will print on a PostScript printer using 8.5 x 11 inch size (letter size) paper. Detailed paper submission instruction will be placed on the conference official website. The results presented in the paper must be original. One author of each accepted paper will be expected to present the paper at the conference. It is expected that the proceedings will be published by the IEEE Computer Society Press.

Important Dates:

Technical Paper Submission Deadline May 8, 2005
Notification of Acceptance/Rejection July 1, 2005
Camera-Ready Paper Deadline August 1, 2005

General Co-Chairs:

Kai Li, Princeton University, USA
Satoshi Sekiguchi, AIST, Japan

Program Committee Co-Chairs:

Jianping Fan, ICT, China
Jysoo Lee, KISTI, Korea

Steering Committee Chair :
David Kahaner, ATIP, USA
Publicity Chair :
Cho-Li Wang, University of Hong Kong, China

5.f The Asia Oceania Geosciences Society's 2nd Annual Meeting Singapore, 20 to 24 June 2005.

It contains the following session topics:

Solid Earth (SE)
Solar Terrestrial (ST)
Planetary Science (PS)
Hydrological Science (HS)
Oceans and Atmospheres (OA)
Interdisciplinary Work Groups (IWG)

Under the Oceans and Atmospheres (OA) topic, we organize a session (OA-08) entitled
Synoptic, intraseasonal, and interannual variabilities in the tropical western Pacific and Asian monsoon regions

Abstract:

There are rich spectrums in the variabilities of atmospheric and oceanic motions in the tropical western Pacific and Asian monsoon regions. On the synoptic time scale (2-10 day), summertime synoptic waves and equatorial symmetric and anti-symmetric modes are often observed, and they may trigger tropical cyclone genesis. On the intraseasonal scale, there are significant signals peaking at bi-weekly (10-20 day) and lower-frequency (20-70 day) bands. On the interannual time scale, there are two-way interactions between the El Nino-Southern Oscillation (ENSO) and the Asian monsoon in which the maritime continent is a key region for inter-basin teleconnection between the tropical eastern Pacific and the Indian Ocean. The origin of the tropospheric biennial oscillation (TBO) may arise from ocean-atmosphere interactions in the monsoon/warm ocean regions. Papers in this session will discuss progress in the dynamics and thermodynamics associated with tropical atmospheric and oceanic variability and in revealing new phenomena using satellite and in-situ observations in terms of their structure, propagation and evolution characteristics. The focus is on integrating observations, theories, and numerical simulations to advance our understanding of dynamics of atmospheric and oceanic motions on synoptic-to-interannual time scales and multi-scale interactions among them. A particular interest is the impact of ENSO and intraseasonal oscillations (ISO) such as the Madden-Julian Oscillation (MJO) on the tropical cyclogenesis and the synoptic-scale feedback to background climate states.

We cordially invite you and your colleagues to participate in this exciting event by contributing an oral or poster presentation in this section. Please give this announcement a wide dissemination.

The online abstract submission system is now open. Abstracts can be submitted through:
<http://www.asiaoceania-conference.org/submit/abstract.htm>

The submission deadline is 1st February 2005. To enquire, contact Conference Secretariat at info@asiaoceania-conference.org. Thank you and Happy New Year!

Tim Li, University of Hawaii, USA (timli@hawaii.edu);
Yihui Ding, National Climate Center, China (dinghy@cma.gov.cn);
Melinda Peng, Naval Research Laboratory, USA (peng@nrlmry.navy.mil).

5.g EastFIRE Conference May 11-13, 2005 at George Mason University, Fairfax, VA.

On-line abstract submission dues by January 31, 2005

You are invited to participate in the EastFIRE Conference, May 11-13, 2005 at George Mason University, Fairfax, VA. On-line abstract submission dues by January 31, 2005. Please visit EastFIRE web page (

<http://eastfire.gmu.edu/workshop/>) to get detailed information and also indicate if you plan to submit an abstract by sending an email to: eastfire@gmu.edu.

Thanks you !

John Qu

EastFIRE Conference General Chair

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For the last century, North American forest communities have been vitally concerned with wildland fires. They have tried to eliminate wildland fires entirely, to reduce fire intensity, to thin and burn, and even to return to a more naturally occurring wildland fire regime. Still, many questions remain, especially concerning wildland fire events at the urban-forest interface and for landscapes east of the Mississippi River, which are so different from those west of the river. Urban and suburban growth through the 20th Century has dramatically increased the association of housing and people with wildlands, increasing the complexity of fuel management and fire fighting activities. In addition new air quality regulations, specifically for regional haze and attainment of PM2.5 have introduced the added dimension of emissions reduction techniques for prescribed and agricultural burning mandated by Smoke Management Programs in each State. Since topography, climate, ecosystems, and development patterns are all so different in east and west, it is time for a focused look at these issues from an eastern perspective.

EastFIRE Conference, the conference to discuss wildland fire in eastern landscapes, will bring together researchers, technicians, software vendors, and all other interested parties to share information and advances in eastern wildland fire research. EastFIRE Conference will be held from May 11 through May 13 in George Mason University, Fairfax Campus, VA (near Washington, D.C.).

Topics for the EastFire Conference sessions include:

- 1.A.Remote Sensing and Modeling of Fire Occurrence, Behavior, and Burned Areas for Eastern States Wildland Fire
- 2.A Climate Variability and Wildland Fire In the Eastern United States
- 3.A Remote Sensing and Simulation Models to Assess Social, Cultural, and Economics of Eastern United States Wildland Fire
- 1.B Remote Sensing and Modeling of Fire and Air Quality in the Eastern United States
- 2.B Wildland Fire, Biodiversity, Landscapes and Remote Sensing Applications in the Eastern United States
- 3.B Remote Sensing and Modeling Applications for Wildland Fire in the Eastern United States Wildland Urban Interface
- 1.C Remote Sensing and Modeling for Wildland Fire in Eastern States Landscapes and Watersheds
- 2.C Remote Sensing and Modeling Applications for Fuel Treatments in the Eastern United States
- 3.C Decision Support Systems for Wildland Fire Management in the Eastern United States.

(6) Jobs opportunities

-- Thanks to Dr. Song Yang for following job information

COAA member Prof. Steve Hu requested to poster the job opportunities as shown in the website.

<http://wrri.unl.edu/jobs.htm>

-- Followings are some recent job from government agents related to our fields:

Job: OAS-2005-0056
Job Position: 1084 Visual Information Specialist
Job Description: Visual Information Specialist, GS-1084-12, OAS-2005-0056M-GS
Job grade: GS-12
Open Date: 01/20/2005
Close Date: 02/03/2005
Salary Range: \$62886.00-\$81747.00
1 vacancy at Washington DC Metro Area, DC
Follow this link to the job listed above:

<https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=564>

This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 365466

Job: OAS-2005-0057

Job Position: 1084 Visual Information Specialist
Job Description: Visual Information Specialist, GS-1084-12, OAS-2005-0057D-GS
Job grade: GS-12
Open Date: 01/20/2005
Close Date: 02/03/2005
Salary Range: \$62886.00-\$81747.00
1 vacancy at Washington DC Metro Area, DC

Follow this link to the job listed above:

<https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=565>

This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 365475

Job: FLD-2005-0007

Job Position: 0343PA Program Analyst
Job Description: Program Analyst GS-0343-13-CENSUS-M-CH
Job grade: GS-13
Open Date: 01/21/2005
Close Date: 02/03/2005
Salary Range: \$74782.00-\$97213.00
1 vacancy at Washington DC Metro Area, DC (Suitland, MD)

Follow this link to the job listed above:

<https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=601>

Job: NWS-SR-2005-0043

Job Position: 1315 Hydrologist
Job Description: Hydrologist (Sr Service Hydro) , GS-1315-12/13, M-DF-JA (M)
Job grade: GS-12/13
Open Date: 01/21/2005
Close Date: 02/04/2005
Salary Range: \$61741.00-\$95445.00
1 vacancy at Atlanta, GA

Follow this link to the job listed above:

<https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=725>

This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 366828

Job: NWS-AR-2005-0022

Job Position: 1340 Meteorologist
Job Description: Meteorologist (Senior Forecaster), GS-1340-13
Job grade: GS-13
Open Date: 01/21/2005
Close Date: 02/04/2005
Salary Range: \$64478.00-\$83819.00
1 vacancy at Juneau & Auke Bay, AK

Follow this link to the job listed above:

<https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=732>

This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 367380

Job: NWS-OOS-2005-0011

Job Position: 1360 Oceanographer
Job Description: Oceanographer, GS-1360-14 (CWSD05003M.slw)
Job grade: GS-14
Open Date: 01/21/2005
Close Date: 02/03/2005
Salary Range: \$85123.00-\$110662.00
1 vacancy at Stennis Space Center, MS

Follow this link to the job listed above:

<https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=653>

This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 366663
