



COAA Newsletter – Issue of March, 2008 Page 1

Chinese-American Oceanic and Atmospheric Association
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COAA 2008 board of directors

President:	Shi-Keng (Sky) Yang
President-Elect:	C.-K. Tai
Secretary:	Li Zhang
Treasurer:	Zhong Liu
Academic Programs:	Donglian Sun & Li Ming
International Program:	Ning Zeng
Newsletter:	Renguang Wu
Membership & Publicity:	Ruixin Yang

COAA Southern California Chapter

The COAA Southern California Chapter has been established in January 2008. The following are Executive Committee members of the COAA Southern California Chapter:

Chair:	Yongkang Xue (UCLA)
Secretary:	Hui Su (JPL)
Treasury:	Yu Gu (UCLA)
Program (Atmosphere):	Jin-Yi Yu (UCI)
Program (Ocean):	Xiaochuan Wang (JPL)
Membership:	Qin Yue (UCLA)
Publicity:	Hengchun Ye (CSU)
Publication:	Fuu-Ming Kai (UCI)

**COAA 2007~08 Board Meeting,
11/30/2007, 7:00-10:00pm, College Park**

A COAA board meeting was held at Room 3425 of the Computer and Space Sciences Building, University of Maryland at College Park on November 30, 2007 from 7:00 to 10:00pm. Both previous and current board members attended this meeting.

The meeting began with the self-introduction of the members. During the meeting, the 2008 board of directors were assigned as the following:

President:	Shi-Keng (Sky) Yang
President-Elect:	C. K. Tai
Secretary:	Li Zhang
Treasurer:	Zhong Liu
Academic Programs:	Ming Li Donglian Sun
International Programs:	Ning Zeng
Newsletter:	Renguang Wu
Membership&Publicity:	Ruixin Yang

Nominated by the board, Haifeng Qian and Lei Zhou will serve as COAA program assistants. Eric Nie will continue to serve as the COAA web master.

The meeting decided that COAA would resume hardcopies of newsletters beginning from the next coming issue. The COAA new president, Dr. Sky Yang, summarized the COAA activity plan in 2008. Prof. Qunan Zheng, the former COAA president, reported to the board meeting on the on-going preparation on the COAA annual report, which will be finalized in early 2008.

The meeting determined that the seasonal greeting cards would be sent out before the coming Christmas and Ruixin Yang would carry out the task. During the meeting, the board discussed the possibilities to create an international program to receive delegations from China. Another board meeting will be scheduled to further discuss this issue.



(In the picture, from left to right, are Zeng Ning, Renguang Wu, Li Zhang, Sky Yang, Donglian Sun, Ruixin Yang, Zhong Liu, and Haifeng Qian)

**COAA 2008 Board Meeting, 2/16/2008,
9:30-11:30am, Potomac**

A COAA board meeting was held on February 16, 2008. S.-K. Yang, C.-K. Tai, Zhong Liu, Renguang Wu, Ruixin Yang, Haifeng Qian, Lei Zhou and Li Zhang attended this meeting. Ming Li, Donglian Sun and Ning Zeng were absent. This meeting covered three topics: COAA current state, financial, and tasks.

In this meeting, Sky Yang summarized the COAA activities since last the board meeting, including seasonal greeting cards sent out to COAA VIP members, the establishment of the Southern California Local Chapter, the Chinese New Year Luncheon, the training of the Liaoning Meteorology Delegation organized by the Southern California Chapter, a tribute at the Dr. Jin Wu's memorial service delivered by Sky, meeting with the Liaoning Meteorology Delegation, COAA new mailbox, etc.

Some specific issues related to COAA financial had been addressed in this meeting.

The meeting discussed specific tasks in this year: COAA 2008 Spring Workshop, COAA Newsletter, COAA International Training Program, identifying candidates for 2009 board, and the COAA 15th Anniversary Publication.

Passing of Dr. Jin Wu

Dr. Jin Wu, 73, the founder of COAA and a retired University of Delaware professor, died of multiple organ failure caused by ampullary cancer on January 14, 2008 in Tainan. Dr. Wu was born in Nanjing, China, and received a civil engineering degree in 1956 from National Cheng Kung University in Taiwan. He received, from the University of Iowa, a master's degree in 1961 and a doctorate in 1964, both in mechanics and hydraulics. After completing his doctorate, Dr. Wu joined Hydronautics, a Laurel-based private research group that gathered and analyzed data on fluid dynamics and the nature of oceans. From 1966 to 1974, he was a research scientist and director of the company's Fluid Motions Division and Geophysical Fluid Dynamics. In 1974, he became an associate professor of marine studies and civil engineering at Delaware and in 1985 was named the H. Fletcher Brown professor of marine studies and engineering.

On behalf of COAA, Shi-Keng Yang, 2008 COAA President, delivered a tribute at Prof. Jin Wu's Memorial Service on February 3, 2008.

Prof. Norden Huang elected as a foreign member of Chinese Academy of Engineering

Professor Norden E. Huang, the former president of COAA, was elected to the Chinese Academy of Engineering as a foreign member for his academic achievement and his tremendous efforts to elevate levels of science and engineering in China. The formal announcement of his election was made by the Chinese Academy of Engineering at the end of year 2007.

After retired from NASA Goddard Space Flight Center as the chief scientist in oceanography, Prof. Huang went to the National Central University (NCU) in Taiwan

and established the new Research Center for Adaptive Data Analysis. He is currently the director of the center. Prof. Huang is widely known for his invention of the Hilbert-Huang Transform, which revolutionizes the time-frequency analysis in general. During the last ten years, Prof. Huang has won many prestigious awards, such as membership of the (US) National Academy of Engineering, Academia Sinica, three NASA Space Act Awards, and the 2006 Service to America Medal in the category of science and environment. Let us congratulate him for another prestigious awards. (Provided by Zhaohua Wu)

Dr. Min Wen received the Tu Changwang Award

Dr. Min Wen, a COAA member and a visiting scientist to NOAA's Climate Prediction Center (CPC) from the Chinese Academy of Meteorological Sciences (CAMS), China Meteorological Administration (CMA), has recently received the Tu Changwang Award from the Chinese Meteorological Society. The Award is an honor bestowed to outstanding young scientists annually. It is equivalent to the Meisinger Award of the American Meteorological Society.

Dr. Wen received her Ph.D. from The Nanjing University of Information Science and Technology, China, in 2002 and joined the CAMS in 2003. With expertise in climate analysis, she has published papers on the Asian monsoon and intraseasonal variability of the tropical atmosphere. Dr. Wen came to CPC under the NOAA-CMA bilateral program in the summer of 2007 and is currently working on the influences of atmospheric and land surface initial conditions on the sub-seasonal variability of monsoon climate in the NCEP Climate Forecast System. (Provided by Song Yang)

**Dr. Quanan Zheng appointed as
Associated Program Director of NSF**

Dr. Quanan Zheng, a Senior Research Scientist of University of Maryland, College Park, Maryland, and a former COAA president (2006-2007), has been appointed as Associate Program Director for the Physical Oceanography Program, Division of Ocean Sciences, National Science Foundation, since October 2007. The Physical Oceanography Program supports research on a wide range of topics associated with the structure and movement of the ocean and interactions between the ocean and the atmosphere, solid earth and ice that surround it. Dr. Zheng serves as one of managers for this program.

**Training of A Liaoning Meteorology
Delegation**

In January 2008, a Chinese delegation of 10 meteorologists from the Liaoning Provincial Meteorological Administration of China visited USA. This delegation was sponsored by Chinese Ministry of Finance and was hosted by the U.S.-China Business Training Center (USCBTC) in Los Angeles.

The COAA Southern California Chapter (SCC) organized a 10-hour training course to the Liaoning delegation during January 10-13, 2008. COAA SCC was requested to prepare the training course within only 2 weeks lead time. Despite of the limited time, Drs. Hui Su (JPL), Xiaochun Wang (JPL) and Yu Gu (UCLA), and Yongkang Xue (UCLA), put together an informative training course and satisfied both the Liaoning meteorologists and the USCBTC.

The training course consisted of 5 two-hour sessions. Prof. Robert Fovell and Dr. Jin-Won Kim of UCLA, Drs. Brian Kahn and Jonathan Jiang of JPL, and two UCLA graduate students, Ms. Xingjuan Wang and Ms. Qing Yue gave lectures for the courses.

Their lectures include hurricane forecasts, regional climate modeling, NASA's Earth Observing Systems and weather forecasts, and remote sensing. The delegation of meteorologists expressed great interest in the materials presented by the lecturers and asked many questions. In the end, the head of the delegation, Mr. Qu Xiaobo, Director of Liaoning Provincial Meteorological Observatory, thanked COAA and USCBTC for the excellent training course and suggested further interactions in the future. (Provided by Hui Su)



(Picture of the Liaoning Meteorology Delegation with some COAA Southern California Chapter members)

**Meeting with the Liaoning Meteorology
Delegation**

On Saturday, January 26, 2008, COAA President Sky Yang, C.-K. Tai, Song Yang, and Ruixin Yang met the Liaoning Meteorology Delegation headed by Director Qu, Xiaobo of Shenyang Central Meteorological Observatory in Fairfax, Virginia during the delegation's visit to Washington, DC area. During the meeting, feedback on the recent training sessions taken place in Southern California was collected. Potential collaborations and suggestions on similar events in the future were also discussed between the two groups. (Provided by Ruixin Yang)

COAA Chinese New Year luncheon

The COAA celebrated the 2008 Chinese New Year with a lunch festival on February 2, 2008 at the Tony Lin's Restaurant in Rockville, Maryland. About 40 people, including eight COAA ex-presidents, attended the lunch. Current president Sky Yang hosted the party.

During the lunch, Sky introduced the current board members, recognized the past board, expressed gratitude to Dr. Jin Wu for his great contribution to COAA, and shared his personal stories with Dr. Wu. Prof. Frank Pao, the president of Rho Psi Foundation, gave a keynote speech on Global Warming and Global Market. Prof. Pao received the Benemerenti Medal from Pope John Paul II. As a director of development of international program in the Catholic University of America (CUA), he also introduced an established student exchange program between the School of Engineering of CUA and the Hong Kong Polytechnic University, which led to lots of discussions among members on international collaborations in different universities during the party. (Provided by Li Zhang)

COAA SCC Chinese New Year Party

The Chinese-American Oceanic and Atmospheric Association Southern California Chapter (COAA SCC) celebrated the Year of the Rat on February 23, 2008 at the Golden Dragon restaurant in the China Town of Los Angeles. About 40 people attended the lunch party. Prof. Yongkang Xue hosted the party, with assistance from the newly appointed seven COAA SCC Executive Committee members.

This year's party featured two keynote speakers by Dr. Timothy Liu and Dr. Lee-Lueng Fu, both from Jet Propulsion Laboratory. Dr. Liu is a Senior Research Scientist. He is a fellow of American

Meteorological Society, and was recently elected as a fellow of American Association for the Advancement of Science. Dr. Liu reviewed his career as an observer of global ocean since 1980s and talked about important discoveries made by NASA's scatterometer missions regarding ENSO, Arctic wind-ice interaction, hurricanes, global ocean water balance and interactions among ice, land, ocean and atmosphere for global change. Dr. Fu is the NASA Project Scientist for the TOPEX/Poseidon and Jason-1 Missions. He is a Fellow of the American Geophysical Union and the American Meteorological Society, and was recently elected as a member of National Academy of Engineering. Dr. Fu introduced the ocean surface topography missions and the significant research findings by these missions that are directly relevant to climate change.

Following the keynote speeches, representatives from each institution (UCLA, UCI, JPL) introduced Chinese and Chinese-American scientists and students in their respective institutions with nice view-graphs bearing pictures, Chinese names, education background and research interests. People exchanged information and renewed friendship while enjoying Chinese food and listening to Karaoke singers. The party lasted about 3 hours in a festival atmosphere. (Provided by Hui Su)



(In the picture, from left to right, are Dr. Lee-Lueng Fu, Dr. Timothy Liu, Prof. Yongkang Xue, and Dr. Jonathan Jiang)

Paper Review Panel Meeting for COAA 2007

The Paper Review Panel Meeting for the Fourth International Ocean and Atmosphere Conference (COAA 2007) special sections was held on February 26–28, 2008, in Qingdao, China. Dr. Qunan Zheng, a former COAA president, chaired the meeting. Total 96 papers are received. The panel is in charge of final review for these papers and made publication recommendations to *Acta Oceanologica Sinica* and *Journal of Ocean University of China*. The papers that passed reviews will be published on 5-6 issues of the two journals in this year. A monograph including all papers to be published will also be planned. All panel members thank the First Institute of Oceanography, State of Oceanic Administration, China, for hosting and financially supporting the meeting. US NSF IR/D program provides international travel supports for Dr. Zheng. (Provided by Qunan Zheng)

COAA 2008 Spring Workshop

The COAA 2008 Spring Workshop will be held on May 3, 2008, 9:30am-3:00pm, in Room 2400 (Seminar Room) of the Computer and Space Sciences Building, University of Maryland at College Park. This Workshop will be dedicated to Dr. Jin Wu who was the founding member of COAA and had been instrumental in establishing collaborations between Chinese and American institutions. This workshop will feature invited talks about Prof. Jin Wu's scientific and societal contributions.

With the rapid economic developments and accompanied environmental degradation in China, the international scientific community is paying increasing attention to oceanic and atmospheric research in China. In the meantime, Chinese scientific organizations are looking for collaborative opportunities with overseas colleagues.

COAA members are in a unique position to play important roles in fostering the international collaborations with Chinese colleagues. You are invited to join a forum to discuss strategies and develop plans for the collaborations.

In addition to invited talks and the forum, you are invited to contribute a paper representing your latest research. Your presentations will broaden our knowledge, inspire new ideas and may lead to potential collaborations with other COAA scientists.

Both oral and poster presentations are solicited. Poster presentations are especially encouraged and will be given a five-minute oral summary. The abstract deadline is March 31, 2008. Please email your abstract to:

Dr. Ming Li, mingli@hpl.umces.edu,

COAA Program Chair for Oceans

Dr. Donglian Sun, sun@atmos.umd.edu,

COAA Program Chair for Atmosphere

A new journal: Advances in Adaptive Data Analysis

Prof. Huang has started a new journal with World Scientific entitled "Advances in Adaptive Data Analysis" (AADA). AADA is an interdisciplinary journal dedicated to report original research results on data analysis methodology developments and their applications, with a special emphasis on the adaptive approaches. The mission of the journal is to elevate data analysis far above the routine data processing and to make it a tool for scientific research and engineering applications. For more information, please see <http://www.worldscinet.com/aada/aada.shtml>.

Many COAA members have conducted research using HHT or other adaptive methods. Prof. Huang and other members in the editorial board are sincerely looking for your support to the journal by submitting high quality paper to this new journal. (Provided by Zhaohua Wu)