



Chinese-American Oceanic and Atmospheric Association

Mail Box: P. O. Box 1293, Greenbelt, MD 20768, USA

Web Page: <http://www.coaaweb.org>

Editor: Yingxi Shi

About the COAA

COAA is a member-led, all-inclusive, non-profit, professional association supporting its members and promoting excellence in oceanic and atmospheric sciences and related activities. Members have many opportunities to share information, news, studies and concerns related to the fields of oceanic and atmospheric sciences through board work, submitting correspondence or articles to the COAA Newsletter, leading workshops and making presentations at the Annual Meetings, making contributions to the COAA website, and networking with people in a wide variety of careers (from well-known senior professionals to young environmental enthusiasts).

COAA Board Members for 2016

Board of Directors

President: Chungu Lu (陆春谷, NSF)

President-Advisor: Jin Huang (黄进, NOAA)

President-Elect: Jianhe Qu (曲建和, GMU)

Office of Secretary

Hao He (何昊, UMD)

2016 Conference Task Team

Hao He (何昊, UMD)

Wenze Yang (杨文泽, UMD)

Huan Wu (吴欢, UMD)

Jingfeng Huang (黄景峰, NOAA)

Office of Public Affairs

Newsletter: Yingxi Shi (石颖希, NASA)

Newsletter: Ninghai Sun (孙宁海, NOAA)

Science Program: Juying Xie (谢菊英, NASA)

Seminar: Huan Wu (吴欢, UMD)

Office of Internal Affairs

Treasury: JiangTao Xu (徐江涛, NOAA)

Webmaster: Hao He (何昊, NOAA)

Membership: Wenze Yang (杨文泽, UMD)

Coordinator: Nai-yu Wang (王乃瑜, NOAA)

Table of Contents

Mark your calendar for COAA AMS Banquet and Townhall meeting in Seattle..... 2

Shangping Xie Receives the 2017 AMS Sverdrup Gold Medal Award 3

COAA Solicits Applications for Best Dissertation Award 2016..... 3

Wang Receives the 2016 James R. Holton Junior Scientist Award 4

COAA Colorado Chapter Activity Report 2016 5

The International Workshop on Land Surface Multisphere Processes of the Tibetan Plateau Held at Xining, China..... 8

COAA 2016 Mid-Autumn Festival BBQ & Potluck Family & Friends Day 9

Congratulations to New AGU and AMS Fellows and Award Recipients 10

COAA Spotlight: Dr. Mian Chin 11

Annual Donation Drive to COAA through CFC and COAA Donation Page 14

Recent Job Announcements & Scholarships 15

Mark Your Calendar for COAA AMS Banquet and Townhall Meeting in Seattle

Dear Colleagues,

Following a successful COAA AMS 2016 Reception Banquet, to continue to foster friendships, communication and networking among fellow Chinese professionals, COAA will host the COAA-AMS Dinner Reception on **Monday, January 23, 2017** starting at 6:30 pm in **Joyale Seafood Restaurant**. Delegates from Chinese Academy of Science (CAS), Chinese Meteorological Administration (CMA), and Wuhan Institute of Heavy Rain (WHIHR) will also join us in this celebration. A lavish wine dinner will be provided with partial cost subsidized by COAA (\$40 /person) and supplements sponsored by ERT, IMSG and other sponsors. COAA will provide free shuttle services between the AMS meeting venue and the restaurant (details to be followed). For those who would prefer driving, walking, and taking public transportation, please see the attached map. The parking at the restaurant will be free. It roughly takes about 30 min to walk from the Convention Center to the restaurant. There a number of buses in that route, available at every 10 min.

Pre-registration is required since we need to confirm the final number with the restaurant then. If you registered but cannot make it for any reason, please notify us as soon as possible. **Please [register here](#)**. If you have no access to Google Form, please register your attendance at the following [Doodle form](#).

Below is the restaurant information:

Location: 鱼跃门海鲜酒家 (Joyale Seafood Restaurant, Pacific Rim Center, 900 S Jackson St, Seattle, WA 98104) Direction from the Convention center: [click here](#)
Cost: \$20/person (Students \$10/person)

During the AMS meeting, COAA will sponsor a **U.S.-International Partnership Townhall meeting** on **Tuesday January 24 at noon** ([website](#)). For additional information, please contact Dr. Chungu Lu (clu@nsf.gov). Hope all COAA members attend this meeting and bring up questions.

Please mark your calendar for these two COAA sponsored events, and we are looking forward to seeing you in Seattle!

Happy Holidays!
COAA board 2016

Shangping Xie Receives the 2017 AMS Sverdrup Gold Medal Award

September 30th 2016, Friday – According to the bulletin on September 30, 2016 of America Meteorological Society about the award winners 2017, the Sverdrup Gold Medal was awarded to **Prof. Xie Shangping**. Graduating from Ocean University of China (former Shandong Ocean College) in 1984, **Prof.Xie** is currently Roger Revelle Chair Professor of Scripps Institution of Oceanography, UC San Diego, after studying and working in Japan and USA. **Xie** became the guest professor of OUC Green Card Talent Program in 2005 and entered China’s Recruitment Program of Global Experts in 2010. As one of the outstanding overseas talents introduced to OUC, Prof.Xie was the chief scientist since 2012 in OUC national major research program on “How Pacific and Indian Ocean respond to global warming and how they regulate the climate change”, which has come to a close at present.

Prof. Xie is a world-renowned scientist in air-sea interaction and climate change. According to AMS bulletin, **Prof.Xie** “made a significant contribution in revealing the process of air-sea coupling feedback and its role in climate change”, including the mechanism of wind-evaporation-sea surface temperature feedback (WES). **Xie** discovered the wake effect of Hawaii island chain, revealed the capacitor effect of the tropical Indian Ocean, and established the Warmer-Getter-Wetter framework about the variation of the tropical rainfall caused by the global warming, giving a reasonable explanation of why the global warming suspended in the past 15 years. Recognized home and abroad, **Xie’s** research results made him the first person out of Japan who won the highest science award of Japan Meteorological Society in 2002, lead author of IPCC 5th review report, highly-cited researcher rated by Thomson Reuters in 2014, and Fellow of American Geophysics Union in July, 2016. Sverdrup Gold Medal was another award given by the international academic community in recognition of his great achievement in air-sea interaction and climate change.



(Source: Zheng Xiaotong, Hou Xia)

COAA Solicits Applications for Best Dissertation Award 2016

COAA starts to accept applications for the 4th Annual Best Dissertation Award. Through this award, we endeavor to support the research of tomorrow’s leading Chinese scientists. It is the reminder that the application deadline has been extended to **January 13, 2017**, and the awardee(s) will be announced at AMS annual meeting in January 2017.

Qualified candidate should own a Ph.D. degree in geoscience field from an accredited university in the U.S. or Canada in the recent two years. He/she should pass the thesis defense between **October 1, 2015** and **December 31, 2016** certified by the supervisor. Please [email](#) the thesis (PDF format) and one-page CV including education, experience, publication and honors. Two recommendation letters with one from the supervisor are highly recommended but not required. Applicants without a COAA membership need to register at the [COAA website](#) first in order to be eligible for the solicitation. Check COAA news email announcement and COAA website for details and updates.

Wang Receives the 2016 James R. Holton Junior Scientist Award

Dec 14th 2016, Wednesday – **Dr. Yuan Wang** received the 2016 James R. Holton Junior Scientist Award at the 2016 American Geophysical Union Fall Meeting, December 14 in San Francisco, California. **Dr. Wang** is an active board of directors in COAA-SCC Chapter. He is awarded this honor “for groundbreaking research advancing the understanding of the impact of aerosols on a variety of convective, mesoscale, and weather scale atmospheric phenomena”. Last year, he also received International Association of Meteorology and Atmospheric Sciences Early Career Scientist Medal.

Here is an introduction of **Dr. Wang** from **Dr. William K. M. Lau**, President of the Atmospheric Sciences section, AGU.

Dr. Wang's main research involved modeling the aerosol effects on clouds and precipitation using the mesoscale cloud-resolving model and global climate models. Noticeably, he implemented an explicit two-moment bulk cloud microphysical scheme in the WRF model and developed a hierarchical modeling approach by upscaling the regional aerosol forcing to the global climate simulations. His work has led to breakthrough findings in enhancing the understanding of several key atmospheric topics, including the changes in precipitation extremes due to different anthropogenic forcings, intensification of North Pacific storm by Asian aerosol outflow with possible downstream effects over the U.S. west coast, and modulation of hurricane intensity by aerosols. In just 3 years after his Ph.D., he has already accrued an outstanding research record of 22 refereed publications (10 as first author), many of them in high-impact journals such as Nature Climate Change, Nature Communications, Proceedings of the National Academy of Sciences and Geophysical Research Letters.



Yuan is very active in serving the community by chairing and co-chairing sessions in major conferences, providing extensive service as a reviewer. He received numerous awards, including the International Association of Meteorology and Atmospheric Sciences (IAMAS) Early Career Scientist Medal (2015) and the AGU Editor's Citation Award for Excellence in Scientific Refereeing (2013).

A statement in his supporting letter best summarizes **Dr. Wang's** research talents: “Yuan has the rare combination of the ability to analyze complex climate dataset for extracting aerosol signals in a clear and concise way, and in parallel develop microphysical scheme for WRF that is capable of simulating the observed effects, as well as replicate the observations with the simulations.” Let's congratulate **Dr. Yuan Wang** on receiving this special award!

(Source: Yingxi Shi, <https://eos.org/agu-news/>)

COAA Colorado Chapter Activity Report 2016

COAA Colorado Chapter (COAA-CC) launched its 2016 activities with the New Year's Party on February 5, 2016. Colorado Chapter president **Dr. Bill Kuo** and other COAA-CC board members gave reports on COAA-CC's activities in 2015. During the event, COAA-CC members offered suggestions and ideas on future COAA-CC activities and services. Moving forward, in 2016, COAA-CC had hosted workshops on career development and on diversity and inclusion in the workplace, lunch time talks by researchers from companies and other institutions from mainland China and Taiwan, and facilitated COAA-CC members' participation in the 2016 COAA-CMA Beijing Conference and their visit to the University of Science and Technology of China (USTC).



COAA-CC Chinese New Year Lunch Gathering on February 5, 2016

The workshop, "Seeking Advice on Career Development?", was held on April 15th. Panelists, including **Prof. Weiqing Han** (University of Colorado, Boulder), **Dr. Laura Pan** (NCAR Senior Scientist), and **Dr. Bill Kuo** (Director, UCAR Community Programs), each spoke of their individual pursuit for career advancement. From the perspective of a faculty member in a large research university, **Prof. Han** illustrated the importance of combining strong, in-depth research with the ability of attracting funding and of cultivating social skills to connect to people who are interested in her research. **Dr. Pan** talked about how she had overcome the difficulties as a woman scientist in particular and how self-confidence, self-worth, and self-determination helped her to achieve her career goals. **Dr. Kuo** shared his experience of being a minority junior scientist when he started his career at NCAR, and how taking initiative, charting one's own course, keeping open communication with colleagues and supervisors, and being assertive along with hard work and perseverance led to his success, among many aspects, in leading major international collaborations on meteorological research. These inspiring narratives promoted a lively question-and-answer/discussion session during the workshop, which was later continued at the COAA-CC Duanwu luncheon where each of the three speakers conversed with small groups of members who were particularly interested in the speaker's career path and experience.



Career Development discussion on April 15, 2016

On 19th August, COAA-CC hosted a second career development workshop, in which **Drs. Jenny Sun** and **Jielun Sun** from NCAR and **Dr. Yuanfu Xie** from NOAA each talked about how they had managed work-life balance - what works, what does not, what matters most to them, and what can be put aside. Rather than providing ready-made solutions to problems and difficulties we encounter at work and in life, they offered their experiences and insights, inspiring and motivating the colleagues to look at their own situations from different and new perspectives, and finding their own balance for work and life.

Continuing on the theme of career and work-life-balance but with more emphasis on the workplace climate, COAA-CC organized a lunchtime event on Diversity, Inclusion and Work Climate on November 2, 2016. The Director of NCAR's Diversity, Education and Outreach (DEO) Office, **Dr. Carolyn Brinkworth** and her colleague, **Ms. Kristen Luna Aponte**, spoke on the meaning of diversity and inclusion, and about the mission of their office. Besides COAA-CC members, ethnically non-Chinese scientists were also invited and attended the event. The event was highly interactive. **Dr. Brinkworth** asked participants questions such as: What are the cultural differences and expectations between White American and Chinese/Chinese-American? How do our cultural values benefit the work being done in our organization? How do our cultural values benefit our individual work? Answers from the participants were then posted for all to see. Learning and talking about the answers given by participants from different ethnic backgrounds were highly illuminating. The experience of this event was so positive that some of the COAA-CC members suggested that it would be beneficial to promote furthering cross-cultural connections and mutual understanding if COAA-CC would continue to invite non-Chinese guests to some of its activities.



“Diversity, Inclusion and Work Place Climate”
on November 2, 2016

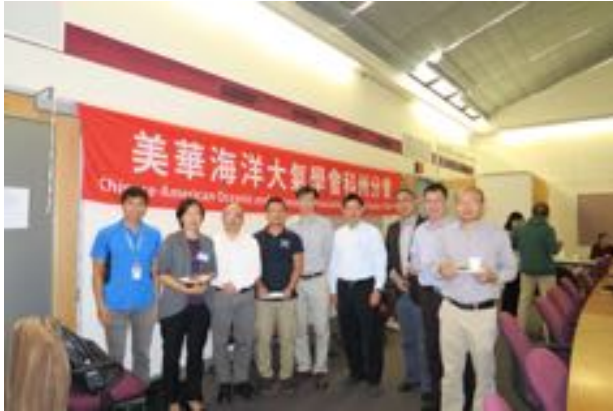
Other COAA-CC's events in 2016 were centered on the research exchange front. The founder, president and CEO, **Li Jin (金犁)** of a weather information company in China, MoWeather, together with other senior members of the company, visited COAA-CC on July 20, 2016 and gave a presentation on the current business opportunities in meteorology and oceanography in China, and career development at their company. They are also looking forward to promising opportunities for collaboration with scientists at NCAR, NOAA, and universities in Colorado.



MoWeather Visit on July 20, 2016

On September 26, 2016, we celebrated the Mid-Autumn Festival with guest speakers from the Taiwan Central Weather Bureau, **Dr. Jing-Shan Hong** and **Dr. Guo-Cheng Lu**, and from the Guangdong Weather Bureau, **Dr. Yerong Feng**. They each gave a presentation on the challenges and promises of regional/mesoscale NWP (numerical weather prediction) operations for Taiwan

and Southern China, and the research needs to improve operation. This was followed by discussion on possible research collaborations among scientists in China, Taiwan, and U.S.



Visitors from Taiwan and China, Sept. 26, 2016



Visit of COAA-CC to USTC, Jul. 20, 2016

Also in July, but back in China, members of COAA, including COAA Secretary **Hao He** (Univ. of Maryland), COAA-CC President-elect **Yuanfu Xie** (NOAA), **Wen-Chau Lee** (NCAR/EOL), **Yuewei Liu** (NCAR/RAL), **Hanli Liu** and **Qian Wu** (both at NCAR/HAO), visited the School of Earth and Space Sciences, University of Science and Technology of China (USTC) on 25-26 July 2016, and then attended the COAA-CMA Conference in Beijing on 27-30 July 2016. Our members gratefully acknowledge the travel support provided by USTC and COAA, and the opportunity for extensive academic exchanges with colleagues at USTC and the COAA-CMA Conference. Along with **Dr. Jiyao Xu** (CAS/NSSC), COAA-CC member **Hanli Liu** co-organized the first Middle/Upper Atmosphere and Space Weather Session of the COAA Conference.



COAA Colorado Chapter Board Members: Bill Kuo (NCAR/UCAR, President), Yuanfu Xie (NOAA, President Elect), Hanli Liu (NCAR, Secretary), Li Zhang, (NOAA/CU, Treasurer), Yuewei Liu (NCAR, Activity Organizer), Lulin Xie (NCAR, Activity Organizer), Dan Chen (NCAR, Activity Organizer), Debbie Mao (NCAR, Web Master), Ming Hu (NOAA/CU, Web Master), Aixue Hu (NCAR, Membership), Wei Wang (CU Boulder, Newsletter/announcement), Yuan Ho (UCAR, At Large member), Shan Sun (NOAA, At Large member), Yuanlong Li (CU, At Large member)

(Source: COAA Colorado Chapter)

The International Workshop on Land Surface Multisphere Processes of the Tibetan Plateau Held at Xining, China

August 8th -10th 2016 – The 2016 International Workshop on Land Surface Multisphere Processes of the Tibetan Plateau was held in Xining, the capital city of Qinghai Province, co-chaired by Tandong Yao of the Institute of Tibetan Plateau Research, China, and Yongkang Xue of UCLA. Attending the workshop were more than 230 registered participants from 13 countries, including China, the United States, Japan, Nepal, Netherlands, and India, as well as approximately 20 volunteers. A distinguished feature of the workshop is the first comprehensive exchange of quantitative studies under the TP's multi-sphere research framework: atmosphere, hydrosphere, cryosphere, biosphere, anthrosphere, and lithosphere. The workshop consisted of two plenary sessions, nine parallel sessions, two poster sessions, and discussion and summary sessions. The workshop's full program and abstracts can be found at <http://xining2016.tpe.ac.cn/> and <https://easmea-outreach.geog.ucla.edu/xining2016/>.



The International Workshop on Land Surface Multisphere Processes of Tibetan Plateau

The workshop's lead organizers were from the Third Pole Environment (TPE), the Institute of Tibetan Plateau Research (ITP), the Chinese Academy of Sciences Center for Excellence in Tibetan Plateau Earth Sciences (CETES), and UCLA. The Chinese-American Oceanic and Atmospheric Association (COAA) and American Geophysical Union (AGU) were among the 17 sponsoring organizations, of which were governmental funding agencies, research labs, and universities, such as the National Natural Science Foundation of China (NSFC), and the Jiangsu Collaborative Innovation Center for Climate Change at Nanjing University. COAA also played an important role at communicating the conference announcement to an extended international community.



Plenary lectures

The TPE (<http://www.tpe.ac.cn>) and CETES (<http://en.cetes.cn>) have served as platforms for international collaborations on environmental study of the TP region and its surrounding areas, as they can facilitate trips to the TP, provide data support via the TPE Data Center, and fund substantial collaborations. Many workshop participants called for more accurate uncertainty quantification, more and systematic observations, high-resolution modelings, and continued meetings such as this workshop to promote the international TPE research.

(Sources: Sam Shen, SIO UC San Diego and Fan Zhang, CAS)

COAA 2016 Mid-Autumn Festival BBQ & Potluck Family & Friends Day

October 1, 2016 Saturday– The 2016 COAA Annual Family and Friend Picnic Day took place on October 1 in the Cabin John Regional Park, Bethesda, MD. The event also coincided with the Mid-Autumn Festival. Mr. Jiangrui Chen and Ping Zhong from the Science and Technology Section, Embassy of the People’s Republic of China in the United States of America, attended the event and enjoyed the gathering with family and friends from COAA. The President, Dr. Chungu Lu, introduced the special guests from the Embassy, greeted all the attendees, and briefly reported COAA’s recent activities and incoming exciting events and opportunities.

Although it rained throughout the event, the rain didn’t tamper the enthusiasm of this event. More than 50 people, including long-term and new COAA members and their families and friends and visiting scholars from China gathered under the picnic shelter and shared their festival greetings. Attendees enjoyed the relaxed atmosphere and the opportunities to meet with old and new friends with special gathering happened near the BBQ grill. COAA provided high quality BBQ grill that caters the Chinese taste buds as well as many other traditional Chinese cuisine. Homemade mooncakes were also offered for the taste of home. The event ended after the picnic with many people still lingering and continuing their conversations.



The 2016 COAA Annual Family and Friend Picnic Day

(Source: Yingxi Shi, photo credit: Mei-Ling Shiu)

Congratulations to New AGU and AMS Fellows and Award Recipients

Congratulations to the newly elected 2016 Class of AGU Chinese-American Fellows Drs. **Shang-Ping Xie**, **Fei-Fei Jin**, **Yiqi Luo** (University of Oklahoma), and **Weijian Zhou** (Institute of Earth Environment, Chinese Academy of Sciences) and 2017 Class of AMS Fellows **Zhanqing Li**, **Shang-Ping Xie**, **YongKang Xue**, and **Shiyuan Zhong** (Michigan State University).

Prof. Zhanqing Li of University of Maryland., a long-term member, a former president of COAA and COAA's Honorary Fellow, whose interview can be found in the February 2015's COAA newsletter (Issue 40). He is also a Fellow of AGU and American Association for the Advancement of Science (AAAS). Prof. Li receives seven major national and international awards. His research interest covers wide range of studies concerning Earth's climate, atmospheric physics, and the terrestrial and atmospheric environments.

Prof. Shaping Xie of Scripps Institution of Oceanography, University of San Diego, is an active member of COAA-SCC Chapter. 2016 is a big year for **Prof. Xie** as he was elected fellows in both AGU and AMS this year and was awarded the 2017 Sverdrup Gold Medal, AMS (See the 1st page in this issue). He is also the awardee of 2013 National Science Foundation Special Creativity Award and named twice by Thomson Reuters as highly cited researcher (among ~150 worldwide in geoscience) in 2014 and 2016. His research centers on ocean-atmosphere interactions and their role in climate formation, variability, and change.

Prof. YongKang Xue of University of California, Los Angeles, is also a long-term COAA member and a former COAA board of directors in COAA-SCC Chapter. His research focuses on land surface model (Simplified Simple Biosphere Model, SSiB) development and atmosphere-land surface coupling processes and hydrometeorological prediction.

Prof. Fei-Fei Jin of University of Hawaii at Manoa, who was actively involved in organizing the 6th International Conference on Atmosphere, Ocean and Climate Change (ICAOCC). His research interests cover a broad range topics on the dynamics of large-scale atmosphere and ocean circulations as well as the climate variability with the primary research activity has been focused on understanding the dynamics of ENSO and the dynamics for climate variability in the extratropical atmospheric circulation.

In addition to the new Chinese American Fellows, warm congratulations also go to Dr. **Yuan Wang** of California Institute of Technology on winning the Editor's Award in Journal of the Atmospheric Sciences.

COAA is extremely excited to observe these Chinese American scholars and COAA members, on receiving such prestigious awards! The awards were presented in AGU fall meeting in December 2016 at San Francisco, CA or will be presented in AMS annual meeting in January 2017 at Seattle, WA.

COAA Spotlight: Dr. Mian Chin

Dr. Mian Chin is a senior research scientist in the Atmospheric Chemistry and Dynamics Laboratory, Earth Science Division, at the NASA Goddard Space Flight Center, U.S.A. **Dr. Chin** received a B.S. degree in chemistry from East China Normal University (Shanghai, China) in 1982, a M.A. degree in chemistry from Ball State University (Muncie, Indiana, U.S.A.) in 1986, and a Ph.D. degree in Atmospheric Sciences from Georgia Institute of Technology (Atlanta, Georgia, U.S.A.) in 1992. During her graduate study in Georgia Tech, **Mian** was involved in field experiments measuring atmospheric constituents, laboratory study determining atmospheric photochemical reaction rates and product yields, and one-dimensional photochemical model estimating stratospheric sulfur budget. Between 1992 and 1995, **Mian** was a postdoctoral fellow in the Division of Applied Sciences, Harvard University (Cambridge, Massachusetts, U.S.A.) where she worked with 3-dimensional regional and global atmospheric chemistry and transport models for studying tropospheric ozone, aerosols, and trace gases. **Dr. Chin** was a Research Scientist at Universities Space Research Association from 1995 to 1997 and a Research Scientist/Senior Research Scientist at Georgia Institute of Technology from 1997 to 2003 before she joined the NASA Goddard Space Flight Center in 2003, concentrating on atmospheric model development and satellite/in-situ data analysis.

Dr. Chin's research areas include aerosol-chemistry-climate interactions, regional and global air quality, long-range transport of atmospheric aerosols and pollutants, aerosol radiative effects, intraseasonal to decadal variability of aerosols and trace gases, natural and anthropogenic aerosols in the upper troposphere and lower stratosphere, and climate change. She has been a Principal Investigator for many NASA funded research projects since 1997, and published more than 120 peer-reviewed papers on scientific journals (as of September 2016). **Dr. Chin** has received national and international recognitions of her research; she has been awarded the NASA Medal of Exceptional Achievement and NASA Goddard Exceptional Achievement Award in 2005 and frequently receives invitations to speak at national and international conferences, workshops, and university seminars. She has been named by Thomson Reuters as "Highly Cited Researcher in Geoscience" in 2014, 2015, and 2016. Currently **Dr. Chin** serves as a co-coordinator of the International Program AeroCom (Aerosol Comparisons between Observations and Models), a committee member of the IGAC project Atmospheric Chemistry and Asian Monsoon (ACAM), and a co-lead of the Aerosol Working Group in the U.S. Decadal Survey future satellite GEO-CAPE study. She has coordinated or contributed to several national and international assessment reports in the past decade.



Dr. Chin's success as a female scientist in atmospheric aerosol modeling and aerosol chemistry, inspires us young scientists. We are fortunate to have this opportunity to interview **Dr. Chin** and have her sharing her experience, visions and suggestions with COAA members.

Q: How did you decide to study atmospheric/ocean science?

Chin: I always wondered and was curious about sky and space when I was a little child, although I did not dream to be an atmospheric scientist until much later. I grew up in a turbulent time in China, and my education was completely interrupted by the culture revolution that started shortly after I finished the elementary school. I was sent to a farm 2,700 km away from my home as a part of Mao's "re-education of youth" movement. I spent nearly nine years farming in China's northernmost province until the culture revolution ended and I passed the college entrance examine to become a college student majoring in chemistry. I came to the US for graduate school studying chemistry in Ball State University in Indiana, but my interests in the sky were still strong. This is why I was super excited when I saw a bulletin board poster about the Ph.D. program in atmospheric chemistry at Georgia Tech, and I knew this was exactly what I wanted to study. I have been in the field of atmospheric science since then, which was 30 years ago!

Q: Which accomplishments are you most proud of in your professional life, including your group achievements?

Chin: I am very proud that I work at NASA, even though this does not necessarily mean "accomplishments or achievements". Although my childhood dream of being an astronaut will not become true, the next best thing is working at NASA. Goddard is a great place for earth science research; one can establish wide range of collaborations on many disciplines (e.g., atmosphere, ocean, land, cryosphere) with a variety of means (remote sensing, in-situ, laboratory, modeling) and great colleagues. Working at NASA has expanded my horizon and allowed me to develop my career.

Q: Who influenced you the most in your professional life and why?

Chin: My Ph.D. and postdoctoral advisors had critical influences in my professional life and development. Dr. Doug Davis and Dr. Paul Wine, my co-thesis advisors at Georgia Tech, had taught me how to conduct research and write scientific papers, how to be thorough and objective in presenting the results, and most of all, to be passionate about what I was doing. My Ph.D. training at Georgia Tech was my foundation of growth. On the other hand, during my postdoc time at Harvard University, I had learned from Dr. Daniel Jacob how to be an independent and proactive researcher and how to tackle the important problems in the atmospheric science research field. Their influences are still with me today, and I feel very fortunate to have been mentored by them.

Q: How are you interacting with Chinese-speaking scientists in Asia?

Chin: In this context, "Chinese-speaking scientists in Asia" means "Chinese scientists in China". You all know that because of the restriction of NASA and China bilateral collaboration (Public Law 112-55), my interaction with Chinese scientists or students is constrained and can only take place in the multi-lateral settings, although I often travel to China for international conferences and workshops. Because the unique and important aspects of air pollution, long-range transport, and climate change that are closely tied to China's economic development and environmental policy and that have global consequences, interacting with Chinese scientists to address those issues is important, but scientists at NASA will have to find legitimate means to collaborate.

Q: What are your perspectives for future direction in our field?

Chin: My main research field is related to aerosols and their effects on environment and climate. In this regard, I think the major challenges are in the areas of understanding aerosol-cloud interactions and their effects on water cycles and energy balance, and the connections between

air pollution, climate change, and climate extremes. Although these topics have attracted extensive research, the uncertainties are still very large.

Q: What are your major advices to young scientists in our field?

Chin: Remember: “There is no royal road to science, and only those who do not dread the fatiguing climb of its steep paths have a chance of gaining its luminous summits.” Love what you are doing; have an open but critical mind; be thorough, be tough, be passionate, be humble; reach out, help each other, share and communicate your results, welcome criticisms, and keep making progresses. Occasional whining and complaining are OK, but don’t let difficulties become obstacles. Also, having a good sense of humor always helps.

Call for Contributions to COAA Newsletter

COAA is made possible by your support and contribution. We would like to invite and encourage you to send us any news or info that you would like to share with the COAA community. These info and news include but are not limited to:

- Awards (received by you or your colleagues);
- Nomination of COAA Spotlight candidates;
- Major achievements (by you, your colleagues, students, or staff);
- Workshops or conferences you or your organization will host;
- Important events or milestones of your lab/group/organization;
- Fun, educational, photogenic, or surprising photos (especially from the field);
- Local chapter/group news (interest, initiation, establishment, announcement, events, etc.)

Please send your announcements to: news@coaaweb.org

Call for nomination/volunteer of COAA Spotlight

“COAA Spotlight” is a column featuring highly successful Chinese scholars and their groups working in the atmospheric, oceanographic or land sciences. This column is designed to share successful senior scientists’ insights and experiences with the COAA members and friends (especially for early-career scientists or students). We now call for the nomination/volunteer for the COAA newsletter to be released in December 2016. You are more than welcome to inform us if you want to be interviewed, or nominate your candidate. Although scientists working aboard with international recognitions will be considered with higher priority, scientists from mainland China, Taiwan, Hongkong, and Macau are also highly encouraged to participate.

Annual Donation Drive to COAA through CFC and COAA Donation Page

在各位华人专业同胞及朋友：

请利用 2016 Combined Federal Campaign (CFC) 支持全美唯一的华人海洋大气专业团体「美华海洋大气学会」(Chinese-American Oceanic and Atmospheric Association, COAA)。COAA 是合法的可减免课税的非营利社团，也是 CFC 核定的可捐款社团。

COAA 的 CFC 指定号码是 **60027**。请各位在 CFC 捐款时，考虑将一部份钱捐给 COAA，大力支持在美国华人专业社团的活动，尤其 COAA 是在与 NOAA 相关海洋大气方面的专业社团。

如果您不能通过 CFC 捐助，您也可以通过 COAA 的 paypal 捐助页面捐款：

<http://www.coaaweb.org/donate.php>。如果您需要捐款证明和收据，请随时联系我们。谢谢您的支持与捐助！

NOAA 华人联谊会 NOAA Chinese-American Association
美华海洋大气学会 Chinese-American Oceanic and Atmospheric Association

Dear All,

As you may already know from many COAA activities, COAA is a non-profit organization striving to serve the Chinese-American oceanic and atmospheric professional community. COAA relies on supports from its members, friends and sponsors. All donations are used to support activities organized by COAA to benefit its members and friends.

Now the 2016 Combined Federal Campaign (CFC) solicitation already started, COAA calls for your donation through CFC. COAA's CFC Agency Designation Number is 60027. Please note contractors who work for Federal Government can make donations through CFC as well.

Please go to <http://www.cfcnca.org/> or https://www.cfcnexus.org/_root/ for your donation to COAA! For those of you who wish to donate outside of CFC, please visit COAA official donation webpage <http://www.coaaweb.org/donate.php> to donate through Paypal. Donation receipts can be provided upon request if you may contact us directly after your donation.

Every help from you, no matter big or small, will be sincerely appreciated!
Thank you very much for your support and donation!

Sincerely yours,
COAA board 2016

Recent Job Announcements & Scholarships

- **Postdoc Opportunity at Scripps Institution of Oceanography, Analysis of Ross Ice Shelf GPS Array Data**

A postdoctoral appointment is available at the Scripps Institution of Oceanography (SIO), University of California, San Diego (UCSD) to investigate differential vertical and horizontal motions of the Ross Ice Shelf (RIS) from the analysis of geodetic GPS data. A 13-station geodetic GPS array was installed on the Ross Ice Shelf (RIS) during Oct.-Nov. 2015 to make in situ 1 Hz observations of both lateral and vertical ice shelf motions. The GPS stations were co-located with previously deployed broadband seismic stations in an array oriented roughly orthogonal to the shelf front, with coverage extending 415 km southward from the shelf front towards the grounding zone. The goals of this experiment are to investigate spatial variability of vertical and horizontal motions of the RIS due to tidal and gravity wave-coupled flexural wave energy propagating across the RIS, atmospheric forcing, and deviations from steady horizontal ice flow—including episodic rift motions which may be observable by co-located seismic instruments. One year of continuous broadband seismometer data spanning Nov. 2014 to Nov. 2015 has been recovered from the 34-station seismic array (<https://scripps.ucsd.edu/centers/iceshelfvibes/>, see also noiselab.ucsd.edu) with recovery of GPS data and the subsequent year of seismic data during the 2016 field season. Additional information about potential RIS research topics can be obtained upon request or by visiting the project website.

Experience with dual-frequency GPS/GNSS post-processing using DGPS is useful, as is a strong background in statistical methods and time series analysis. Some background in seismology, continuum mechanics, and/or fluid dynamics would be beneficial.

Starting date is negotiable, but ideally the candidate could start immediately. The position is for one year, with a second year subject to performance. Applications should be sent electronically (application letter, CV) copied both to Peter Bromirski (pbromirski@ucsd.edu) and Peter Gerstoft (gerstoft@ucsd.edu).

- **Master of Advanced Studies in Climate Science and Policy, Scripps Institution of Oceanography, UC San Diego**

The Master of Advanced Studies in Climate Science and Policy is a unique interdisciplinary program that responds to the increasing global need for experts who can understand and act on central scientific issues and policy challenges concerning the future of our planet. The intensive one-year program combines learning the science behind the Earth's climate system with a comprehensive climate communication skill set and an understanding of the political, legal, and socio-economic challenges that underpin climate policy.

The MAS CSP program is geared towards professionals with scientific knowledge in government, industry, military and academia that aspire to be leaders for tomorrow.

Policy Driven. Science Centered. Global Reach

This MAS program is offered by Scripps Institution of Oceanography, an internationally top-ranked climate science institution, and by UC San Diego, the highest-ranked university in the US for Earth and Environmental Studies. The program provides professionals with an unparalleled opportunity to be trained amid a remarkable array of climate science research, set in a breathtaking location, and mentored by the prestigious faculty at Scripps, a faculty

comprised of 3 Nobel Prize Winners, 18 National Academy of Sciences Members, and 2 National Academy of Engineering Members.

Scripps is training the next generation in climate science and policy -- if you want to join the Scripps team, apply today!

Criteria for admission to Scripps MAS CSP are: commitment to an intensive graduate program and a keen interest in climate science and policy (demonstrated in the statement of purpose and ideas for capstone independent research project), a bachelor's degree from an accredited university that includes college-level science and math course work, a minimum GPA of 3.0, and 3 strong letters of recommendation. Work experience in climate science, environmental policy, or a related field is recommended. For international applicants, the university requires a minimum TOEFL score of 550 (PBT), and 80 (iBT) for consideration for graduate admission. All applicants must complete the online application for graduate admission at <https://gradapply.ucsd.edu> and select Master of Advanced Studies (MAS) Climate Science and Policy (SI84).

Admission deadlines: The early consideration deadline is December 10, 2016, and the standard deadline is **January 18, 2017**. Late applications may be submitted with permission of the Executive Director.

For more information, visit <http://csp.ucsd.edu> or email mas-csp@sio.ucsd.edu