



Third Announcement

13th International Winds Workshop

*27 June – 1 July, 2016
Monterey, California, USA*

Introduction

One of the key meteorological parameters for weather forecasting, meteorological studies and climate applications is wind. It has therefore been a major task for the science and operational community to exploit the imagery data from satellites in order to derive Atmospheric Motion Vectors (AMVs) by tracking observed cloud and moisture features. The globally derived AMV fields are an established and essential product, especially for numerical weather prediction, and are complemented by other satellite-based observations of the atmospheric flow. The biennial International Winds Workshops are the forums used by the International Winds Working Group (IWWG) for co-operation in the operational and research community, and have strongly contributed to the improvement in quality of the derived wind fields.

The Workshop is an opportunity to present advances and new ideas in this specialised field. We therefore encourage participation from all organisations operating meteorological satellites, as well as from data users and the science community. Presentations on operational and experimental wind retrievals from satellite imagery data and their use for Numerical Weather Prediction, nowcasting, or in climatological applications are welcome. In addition, research work on wind retrievals from active and passive microwave instruments and active optical systems (lidar) is encouraged.

The workshop is being co-organised by the Naval Research Laboratory, the National Environmental Satellite Data and Information Service (NESDIS) of the National Oceanic and Atmospheric Administration (NOAA), EUMETSAT, and the University of Wisconsin, (UW)/Space Science and Engineering Center (SSEC) and is co-sponsored by EUMETSAT, NOAA/NESDIS, and the World Meteorological Organization (WMO).

IWW13 web page

An IWW13 meeting web page has been established at <http://cimss.ssec.wisc.edu/iwwg/iww13/> that contains details about the meeting including abstract submission, accommodation, important information for international visitors (visa requirements), and general information about the local area. Some preliminary programme information is also provided.

Workshop Points of Contact

For general workshop questions contact the co-chairs:

Dr Mary Forsythe, mary.forsythe@metoffice.gov.uk

Dr Jaime Daniels, jaimedaniels@noaa.gov

For questions about Asilomar or the local area contact:

Dr Nancy Baker, nancy.baker@nrlmry.navy.mil

The meeting is being organised by a joint Scientific Program Committee:

Mr Jaime Daniels (NESDIS), Co-chair
Dr Mary Forsythe (Met Office), Co-chair
Dr Nancy Baker (NRL)
Dr Regis Borde (EUMETSAT)
Mr Steve Wanzong (CIMSS)

Venue

This workshop will take place near Monterey, California (USA) at the Asilomar Conference Center. For more information about the venue visit: <http://www.visitasilomar.com/>

Programme

It is anticipated the workshop will run from Monday morning until Friday lunchtime (lunch will be provided on the Friday), with an afternoon off mid-week to explore the surrounding area. More information on these optional activities will be provided closer to the time.

As with previous workshops it is expected we will have time for break-out working group discussions as well as some special topic plenary discussions within the main programme.

Poster presentations will be provided as an option to enable sharing of work through a different format. We plan to keep all posters on display throughout the workshop and provide some dedicated time within the agenda for viewing.

We are working on the programme agenda and expect to send it out soon.

Registration

We expect to provide options to register on the Sunday evening and first thing on the Monday morning.

We are trying to keep our registration fee to a minimum. Our best estimate right now is \$65 total for on-site attendees.

The cost for offsite attendees, including lunch, facility fee and share of meeting space expenses, would be \$51 per day in addition to the \$65 one time registration fee.

Visa application

Participants are encouraged to check visa requirements as early as possible. Information is available from the US Visas website at: <https://travel.state.gov/content/visas/en/visit/visitor.html>.

For those workshop attendees who will need a visa to enter the US please contact Jaime Daniels who can provide a letter of invitation if required. Please also provide a mailing address and your affiliation with this request so we can send an original signed letter. The visa process can take a while, so we recommend starting **now** if you have not done so already.

Reservation at Asilomar

A block booking has been made at the Asilomar conference venue. Costs per day are shown below and include meals (breakfast, lunch and dinner). There is an additional one-off \$20 booking fee.

Single room \$241.90

Double/Twin room \$167.07

Triple \$145.80

Quad \$135.16

Youth (3-12) \$109.59

There are a limited number of Historic Cottages at Asilomar. The price is at the Quad room rate, but they are

separate rooms within the historic building. Each room has a private bath and range from one single bed to two double beds.

Check-in is from 4 pm with check out by 11 am. Meals include dinner on arrival day, and lunch on departure day.

In order to secure the room reservation, please visit the website at https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=14495563 and **complete a room reservation by 26 May, 2016**. After this date, any remaining rooms in our room block will be released. Please note that payment is taken in advance.

We have been assigned a conference meeting room based on the number of on-site attendees. We strongly encourage you to stay on site if at all possible so that we can meet this contractual requirement.

For those who would like to stay off site, there are other nearby hotels and cottages, we suggest searching for "lodging near Asilomar State Beach". Those opting to stay off site may purchase Asilomar meal tickets, if desired. A \$12 facility fee is assessed in addition to the cost of the meal tickets.

Getting there

The conference grounds are located in Pacific Grove, California, on the Monterey Peninsula. There are a number of ways to get to the venue that provide a range of options in terms of convenience and cost. More information and detailed driving directions are also provided by the venue.

The closest major international airports are San Francisco and San Jose. San Francisco airport (SFO) is located about 100 miles (160 km) north of Monterey, approximately 2 hours driving time. San Jose airport (SJC) sits between SFO and Monterey, about 75 miles (120 km) or a 1 hour 30 minute drive from the venue. Car rentals from all major agencies are available at the airports, while the Monterey Airbus (<http://www.montereyairbus.com/ride/>) provides shuttle service directly to Asilomar. A booking tool (<https://montereyairbus.hudsonltd.net/res?USERIDENTRY=ACG1&LOGON=GO>) for the shuttle service makes reservations quick and easy.

The local Monterey Regional Airport (MRY) is serviced by regular flights from larger airports in the area. Sometimes the additional cost of flying to Monterey is relatively minimal; however, its location on the Monterey Peninsula means that delays due to fog can occur fairly frequently, especially for late night/early morning flights. Many of the weather-related flight delays into Monterey are due to air traffic control at San Francisco International Airport affecting regional air traffic.

The Amtrak Coast Starlight provides train service from points north and south, and stops in Salinas (about 20 miles from Monterey). Connecting bus service is available to the Monterey Peninsula.

For those wishing to stay in the USA after the workshop, please note that the weekend and week after the workshop are likely to book up early as Independence Day in the USA, a national holiday, is on 4th July.

Local transit

Monterey Salinas Transit accepts cash (US), and also sells passes online (or at pass outlets) that can be purchased using a credit card. Asilomar Conference Center is on Bus Route #1 that connects to the Monterey Bay Aquarium Transit Center.

The MST Trolley is free, and runs from 10 am to 7 pm daily. It provides access to tourist venues including Monterey Bay Aquarium, Cannery Row, Fisherman's Wharf and historic downtown Monterey.

Special transit buses routes include service to Big Sur (three times per day), hourly service to Carmel and Carmel Valley Grapevine Express, express bus service to San Jose (and airplane/rail connections). Connections would be made either in Monterey or Carmel.

Currency

The currency of the United States is the Dollar (USD=\$) [EUR \$100 = USD \$111 (as of 8 February 2016, <http://www.xe.com>)]. Major credit cards are accepted almost everywhere.

Climate

The climate of Monterey is regulated by its proximity to the Pacific Ocean resulting in a cool-summer climate. Monterey's average high temperature ranges from around 16°C (61°F) in winter to 22°C (72°F) during the summer months. Average annual precipitation is around 19.5 inches (500 mm), with most rainfall occurring between October and April, with little to no precipitation falling during the summer months. There is an average of 70 days with measurable precipitation annually. Summers (Jun-Aug) in Monterey are more prone to fog.

Access to internet and email

Wireless Internet access is available in the main lobby and at the Phoebe Hearst Social Hall. Complementary WiFi is also available in all guest rooms, and will be available within the main meeting venue.

Meals and Social Events

Meals are provided at the Asilomar Conference Centre

Ice breaker: will take place on the evening of Monday 27 June

Workshop dinner (sponsored by EUMETSAT): date to be confirmed (possibly Thursday 30 June)

Optional Tours: We plan to continue the IWW tradition of leaving Wednesday afternoon open for delegate free time. Suggested tours with details and costs will be made available at a later date.

Workshop presentations and proceedings

Workshop presentations will be collected and placed online shortly after the meeting. We also strongly encourage paper submission for the workshop proceedings, which are made available online after the meeting and provide a very valuable mechanism for recording developments in the area of satellite-derived winds, much of which is not available in the peer-reviewed literature. Instruction for submission of final papers will be provided closer to the time.

Useful websites:

IWW13 website

<http://cimss.ssec.wisc.edu/iwgg/iww13/>

IWWG website

<http://cimss.ssec.wisc.edu/iwgg/iwgg.html>

Asilomar

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

Monterey tourism site

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