



# Understanding and Modelling Atmospheric Processes (UMAP)

*The 2nd Pan-GASS Conference sponsored by ARC  
Centre of Excellence for Climate System Science*

*Feb 26 - Mar 2, 2018*

*Lorne, Victoria, Australia*

## ***Welcome***

Thank you for participating in the 2nd Pan-GASS conference: "Understanding and Modelling Atmosphere Processes (UMAP)". We aim to bring together NWP and climate scientists, observationalists and modellers to discuss key issues of atmospheric science. We hope that the conference will be intellectually stimulating and will provide excellent opportunities for members of the community to propose common activities (e.g., intercomparisons, dedicated diagnostics, observational campaigns) that can be organised under the GASS umbrella.

This guide provides information on the conference logistics. If you have any questions not covered by this guide, please get in touch with us at [UMAP2018@monash.edu](mailto:UMAP2018@monash.edu)

## Registration

Registration will be open from 7pm – 9pm on Sunday, February 25<sup>th</sup> on Level 1 at Cumberland Resort Lorne. The registration desk will remain open from 8.30am to 11.30am throughout the conference week. On registration, you will receive your lanyard and, if you are presenting a poster, you will be assigned a poster location (see “posters” below).

## Oral Presentations

Oral Presentations will be either 15 minutes (12-minute talk, 3 minutes for questions) or 20 minutes (15-minute talk, 5 minutes for questions). The exact length of all presentations is given in the [agenda](#). Please ensure that you keep your presentation strictly to the time allocated to ensure that the program runs on time.

**You may upload your talk via Google Drive at the following link:**

[https://script.google.com/a/monash.edu/macros/s/AKfycbxEiyWHJIB1iMkC3sWdM9dZYOd4PN6KiuyXsbQ\\_wTt3yXUbmK/exec](https://script.google.com/a/monash.edu/macros/s/AKfycbxEiyWHJIB1iMkC3sWdM9dZYOd4PN6KiuyXsbQ_wTt3yXUbmK/exec)

Name your presentation file using the format **Day\_Session-number\_Surname.xxx**. For example, Carl Gustav Rossby, giving a talk on Monday in session 2, would use the file name **Monday\_2\_Rossby.pdf**.

**Please upload your presentation at least four hours before you are scheduled to speak** to ensure the sessions run smoothly.

Note that the file upload service may not be functional when accessed from regions where Google Drive is unavailable.

## Posters

Posters can be any size up to 1.2 m (W) x 2 m (H). Posters can be affixed to the poster boards with pushpins. Pushpins can be obtained from the Conference registration desk on Level 1, Cumberland Lorne Resort.

When you register, you will receive a poster number which will indicate where your poster should be displayed. Please ensure you hang your poster in the allocated position.

If you would like to print your poster locally, you may get in touch with [Officeworks](#) or [Vistaprint](#). Both companies offer delivery, but you should check on their estimated printing and delivery times as the conference venue is located approximately 142kms from Melbourne CBD.

### Poster session 1

Posters for session 1 may be displayed from **Monday, 26<sup>th</sup> February 9am until Tuesday, 27<sup>th</sup> February 7pm** in the Louttit Bay Room.

Please remove your posters promptly after the session to allow the posters from session 2 to be displayed.

### Poster session 2

Posters for session 2 may be displayed from **Wednesday, 28<sup>th</sup> February 9am until Thursday, 1<sup>st</sup> March 7pm** at the Louttit Bay Room.

All posters must be removed from the display after the second poster session on Thursday, 1<sup>st</sup> March at 8pm. The UMAP 2018 Organising Committee will not be responsible for posters that are not collected by this time.

## ***Transport to and from the conference venue***

The conference will be held at the Cumberland Lorne Resort, approximately 142 km (2 hours) from Melbourne.

### *Conference coach*

Complimentary coach service will be provided for registered attendees to and from Lorne. **If you intend on using the coach service, please ensure you are [signed up](#).**

### *To the conference venue*

Coaches to Lorne will depart from **Russell Street extension near Flinders Street station** (see map [here](#)) on **Sunday, 25<sup>th</sup> February 2018 at 4.30pm** and from the "Groups and Charters pick-up zone" outside Terminal 2, **Melbourne International airport at 5pm**. An additional bus will also leave the **Melbourne International Airport at 8:30pm**. Please be punctual as there will be no other pick up times available. Look out for a white coach with "Murray's" painted in green on the side of the vehicle and a "UMAP 2018" sign at the front.

### *From the conference venue to Melbourne CBD / Melbourne International Airport*

Coaches from Lorne will leave **Cumberland Lorne Resort on Friday, 2<sup>nd</sup> March 2018 at around 3pm** arriving at Melbourne International Airport at approximately 5.30pm, and continuing on to the Melbourne CBD thereafter.

### *Taxis*

A list of local taxi services can be found below.

- 13Cabs  
13 2227  
[www.13cabs.com.au](http://www.13cabs.com.au)
- Silver Top Taxi  
131 008  
[www.silvertop.com.au](http://www.silvertop.com.au)

### *Skybus from Melbourne International Airport to Melbourne CBD*

SkyBus runs express between Melbourne International Airport and Melbourne City. Tickets can be purchased either online or at the ticket booth outside T3 terminal. Complimentary with your SkyBus Melbourne City Express ticket is a transfer to and from your hotel accommodation in the CBD. The Hotel transfer service operates from 06:00 – 22:30 weekdays and 06:00 – 19:00 on weekends. For more information, see the SkyBus website: <https://www.skybus.com.au/melbourne-city-express/>

### *Train and Bus*

A regional train (V/Line) can be taken from Southern Cross Station (Melbourne CBD) to Geelong Station connecting with a coach from Geelong Station / Railway Terrace (Bay 2) to Lorne Hotel on Mountjoy Parade. Cumberland Lorne Resort is about 85 m from Lorne Hotel. For more information, see the journey planner here: <https://www.ptv.vic.gov.au/journey>

### *Airport transfer*

#### *Melbourne International Airport - Geelong*

Gull Airport Service provides shuttle services between Melbourne Airport and Geelong daily. For more information on the timetable and fares, kindly refer to <https://gull.com.au/airport-transfer/>

#### *Geelong – Lorne*

Ocean Road Limousines do provide transfer between Geelong and Lorne. Rate is AUD130 one-way. To book this service, please contact Martin Fowler +61 408 971 850 or [martyjf@hotmail.com](mailto:martyjf@hotmail.com)

## Venue

### Cumberland Lorne Resort

The conference will be held from Monday, 26<sup>th</sup> February to Friday, 2<sup>nd</sup> March 2018 in the Auditorium.

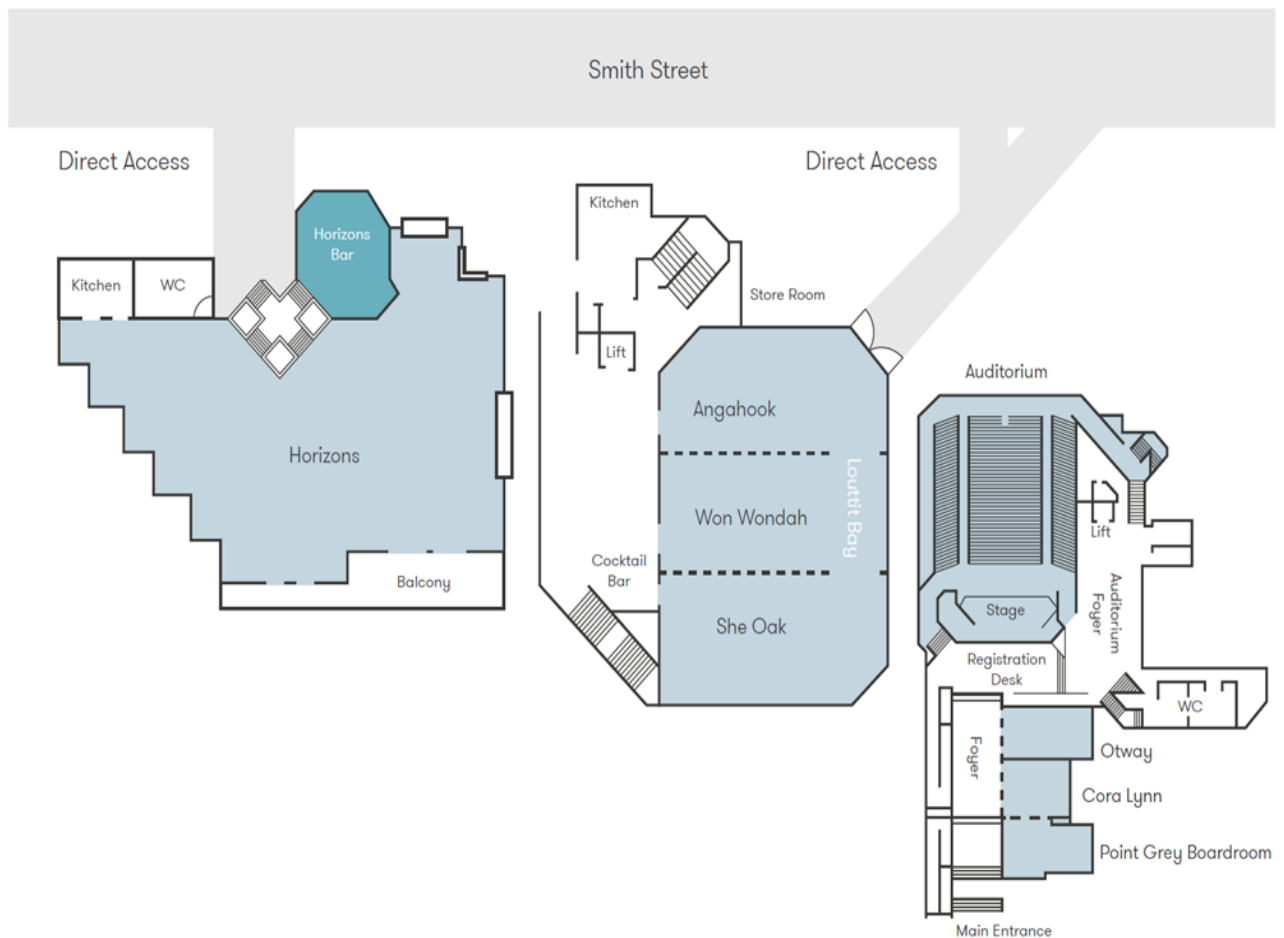
**Telephone:** +613 5289 4444

**Website:** <http://www.cumberland.com.au/>

### Checkout

Rooms need to be **vacated by 10am** on the final day of the workshop. Please allow enough time in the morning to complete checkout formalities and store your luggage in the designated area at the resort.

## Cumberland Lorne Resort Conference Centre Map



## WiFi

Wifi is available throughout the conference center and hotel rooms. Login details are as follows:

**Login:** Conference centre or Cumberland Lorne

**Password:** Pier2016



## Food

Morning/afternoon tea and lunch will be provided throughout the conference for registered attendees. Those who indicated dietary requirements during registration will be catered for throughout the week.

There will also be a coffee cart in the foyer for the conference, which will offer tea and coffee for sale.

## Social Events

**Monday, 26<sup>th</sup> Feb:** Icebreaker & Poster Session 1,  
5.30pm – canapés

**Location:** Louttit Bay, Cumberland Lorne Resort

Canapés will begin at 5.30pm at Louttit Bay for the icebreaker. Poster session 1 will also be held at the same time. The rest of the evening will be your free time to have dinner and explore the surrounding area.



**Wednesday afternoon, 28<sup>th</sup> Feb:** Explore Lorne

There will be free time on Wednesday afternoon after the Plenary discussion at 2.30pm for you to explore the Lorne area. A list of activities has been put together for your reference. *(Please refer to “Things to See, Do & Eat in Lorne”)*

**Thursday, 1<sup>st</sup> March:** 7pm

**Location:** Horizons, top floor of the Conference Centre, Cumberland Lorne Resort

The Conference Dinner will be held at Horizons at 7pm.



# Things to See, Do & Eat in Lorne



## CAFES & RESTAURANTS

- Lorne Central (1min walk)** Hours: 0730 - 2300  
Cuisine: Bar, Cafe, Australian, Vegetarian Friendly, Vegan Options, Gluten Free Options
- Umisango (21m walk)** Hours: 1100 - 2200  
Cuisine: Japanese, Sushi, Asian, Vegetarian Friendly, Vegan Options, Gluten Free Options
- Jashn Dhabha (37m walk)** Hours: 1130 - 2130  
Cuisine: Indian
- The Salty Dog Fish & Chippery (95m walk)** Hours: 1100 - 1900  
Cuisine: Seafood, Fast food, Australian, Healthy, Vegetarian Friendly
- Maple Tree Lorne Seafood Restaurant (220m walk)** Hours: 1200 - 2100  
Cuisine: Seafood, Healthy, Australian, Contemporary, Wine Bar, Vegetarian Friendly, Gluten Free Options, Vegan Options
- Moons Licensed Espresso Bar (250m walk)** Hours: 0800 - 1700  
Cuisine: Cafe, Australian, Vegetarian Friendly, Gluten Free Options, Vegan Options
- Chopstix Noodle Bar (280m walk)** Hours: 1130 - 2300  
Cuisine: Asian, Indonesian, Singaporean, Vegetarian Friendly, Vegan Options, Gluten Free Options
- Lorne Beach Pavillion (300m walk)** Hours: 0730 - 2100  
Cuisine: Australian, International, Vegetarian Friendly, Gluten Free Options
- Cuda Bar & Restaurant (350m walk)** Hours: 1200 - late  
Cuisine: Australian, Contemporary, Vegetarian Friendly, Gluten Free Options
- Ipsos Restaurant & Bar (500m walk)** Hours: 1200 - 2200  
Cuisine: Mediterranean, Greek, Vegetarian Friendly, Vegan Options, Gluten Free Options
- The Bottle of Milk (500m walk)** Hours: 0800 - 1930  
Cuisine: American, Cafe, Fast food, Australian, Vegetarian Friendly, Vegan Options, Gluten Free Options
- Lorne Pier Seafood Restaurant (1.2kms walk)** Hours: 1100 – 1600 and 1800 – 2100  
Cuisine: Seafood, Australian, Gluten Free Options

## THINGS TO SEE & DO

*(For more information on any of these activities, please enquire at the Visitors Information Centre on 15 Mountjoy Parade)*

## WATERFALLS

- Erskine Falls (10kms, 12 mins by car)**  
One of the most popular waterfalls in the Otway's, the Erskine Falls is famous for its remarkable 30m plunge into a lavish tree-fern gully. A 15km round trip by foot; Suitable for those with walking experience.



**2. Henderson Falls (4.8kms)**

A calm track with a few small dips and raises, Henderson Falls leads past Won Wondah falls and into the arms of a gigantic eucalyptus tree. Suitable for those desiring a relaxed and atmospheric afternoon.

**3. Phantom Falls (4.0kms)**

After crossing the marvelous St George River and hugging the edge of an orchard, this walk climbs on a vehicle track above the rocky bed of St George river. A moderate 3.5km walk.

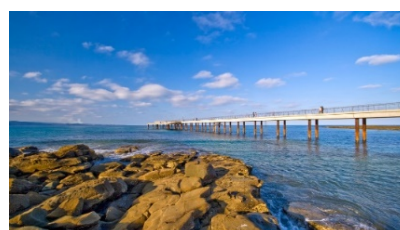
**4. Sheoak Falls and Swallow Cave (5kms)**

This is a short and easy 30-minute walk around the picnic area, taking you through ferny glades with tall manna gums relaxing overhead.

## WALKS

**1. Lorne Pier (1.2kms)**

A stroll along the foreshore cliff walk to Lorne Pier and the fisherman's co-op is a must for lovely scenic views. Say hello to local resident Sammy the seal at Lorne Pier. The finest fisherman going around, Sammy may even show you how to catch a fish...or steal one!



**2. Lorne Foreshore – Shipwreck plaques walk**

Immerse yourself in some of Lorne's rich history, perusing along gravel paths and boardwalks past a number of plaques commemorating the seven famous shipwrecks of Louttit Bay. The Foreshore walk is just 1km long and stroller friendly.

**3. Teddy's Lookout (1.7kms)**

This lookout is located at the end of George Street. There are three lookouts with a 30-minute connecting loop walk for the nature enthusiast. An easy 100m walk Teddy's lookout is a truly worthwhile spot for one-of-a-kind viewing.

**4. St Georges River Walk**

Take a moment away from the hustle and bustle and revel in rocky pools and opulent, shady fern gullies. The St Georges river track follows two river crossings, displaying fairy garden-esc views of towering eucalyptus. A moderate walk, usually taking an hour all up, the track is 2.7km one way.

**5. The Doug Stirling Walk**

1km walk along the foreshore between the Lorne Surf Lifesaving Club and the Lorne Pier.

**6. Cherry Tree Track**

A steep climb with lovely vistas across the valley, the Cherry Tree Track divides and continues along the right-hand fork, coming out a few minutes south of Odos Gallery. A moderate 4.8km round trip, this walk usually takes upwards of an hour.

**7. Tramway Track**

Running uphill on the Eastern side of the St George River, The Tramway Track stands before glistening river flats. This track loops back toward the sea and is a moderate 3km meander.

### 8. **Stony Creek Walk**

A great walk for children and parents with prams, the Stony Creek walk will lead you to a pretty picnic area in glossy eucalypt woodland. Be awed as the walk ends dramatically at the base of a lengthy cascade.

### 9. **Swing Bridge (1.1kms)**

Walk through the top bank caravan park to everyone's favorite swing bridge. Amble uphill toward a melaleuca grove and end on the beach accompanied by the soothing purrs of the ocean.

### 10. **Bridge Circuit**

A twenty minute return walk, this circuit amble is easy and stroller friendly. From the visitor centre walk through Top Bank Caravan Park to beautiful swing bridge. Finish the stroll with some scrumptious treats at the quaint and beautiful Swing Bridge café and Boathouse.

### 11. **Lorne Heritage Walk**

A 2 hour walk beginning at Lorne Visitor Information Centre and finishing at the Lorne Historical Society. Discover some of the Indigenous and European history of Lorne including tales of shipwrecks, historical buildings and local stories

## GOLF

### 1. **Lorne Country Club (2.6kms, 6mins by car)**

Spectacular nine-hole course set in natural bush with sweeping 180 degree views of the ocean.

Adult Green Fees

- 18 holes - \$35
- 9 holes - \$25
- Club Hire - \$8
- Pull Buggy Hire - \$3.50



### 2. **Anglesea Golf Club (28,9kms – 33mins by car)**

Green fees

- 18 holes - \$50
- 9 holes - \$30
- Club Hire - \$25 - \$35
- Pull Buggy Hire - \$5

## SPA & MASSAGE

### 1. **Endota Spa - Mantra Resort (850m walk)**

Please contact 03 5289 5103 for more information



## TOURS & ATTRACTIONS

### 1. **Great Ocean Road Heritage Centre**

A purpose built exhibition space in the Lorne Visitor Centre titled The Great Ocean Road Story: Building Australia's Most Famous Road. Tells the story of the Great Ocean Road, which was built as a memorial to the lost lives and sacrifices of Australian diggers in World War One. Open every day 9-5pm, at the Lorne Visitor Centre.





2. **Kangaroo Tours @ Anglesea Golf Club (28.9kms – 33mins by car)**

Tours run 7 days a week from 10.00am - 4.00pm  
Rates: Adults AUD10.00 Children under 12 AUD5.00

3. **Bush to Ocean Road Tours**

Bush to Ocean Road Tours offers private tours along the Great Ocean Road and surrounding regions, passing through Victoria's most famous coastlines. Provide small group tours from a couple to seven adults, limit to five adults for extra comfort.

**Tour to 12 Apostles (Pick up & Drop off at hotel): Adult AUD180 per person (approx. 8 hours)  
Advance booking is required for the tour.**

Other trips: Please contact Russell at (+613) 52633663 or 0409 408 631 for more information.

## TAXI (IN LORNE)

1. **Lorne Taxi Service**

Contact: 0409 892 304



## BIKE / SURF BOARD / PADDLE BOARD HIRE / SURF LESSONS

1. **HAH Lornebeach Cafe (450m walk)**

Hours: 0800 – 1700

Contact: 0406 453 131 (Leon / Kathy)

Rates:

Bikes:- AUD 10/hour

Surf boards: AUD 25 per 2-hour

Stand-up paddle (SUP) boards: AUD 35



2. **Lorne Surf Shop (160m)**

Hours: 0900 – 1700

Rates:

Softboard with wetsuit: AUD25 per 2 hour

Hardboard with wetsuit: AUD35 per 2 hour

Bodyboard with wetsuit: AUD20 per 2 hour

SUP board: AUD40

3. **Cumberland Lorne Resort**

A limited number of bodyboards and soft surfboards are available for hire from the hotel reception. Advance booking is required. *(Complimentary to hotel guests only)*

4. **Surf Lessons for Adults**

Go Ride a Wave is Australia's favourite surf school. A long serving surf school in Lorne, Go Ride a Wave offers daily learn to surf classes. Lorne is one of the best beaches to learn to surf.

Adult surf lesson prices begin at AUD69 for one 2-hour lesson in a group. Prices include use of a beginner soft surf board and wetsuit or rashie with 2 hours of instruction and fun. Please note that advance notice and bookings are required. Book online at [www.gorideawave.com.au](http://www.gorideawave.com.au) or call 1300 132 441.

## Scientific Committee

- [Ben Shipway](#) (Chair), Met Office, UK
- [Martin Singh](#), Monash University, AUS (local contact)
- [Daniel Klocke](#), Hans Ertel Center for Wea. Res., Deutscher Wetterdienst, GER (GASS co-chair)
- [Xubin Zeng](#), University of Arizona, USA (GASS co-chair)
- Peter Bogenschutz, Lawrence Livermore National Laboratory, USA
- [Walter Hannah](#), Lawrence Livermore National Laboratory, USA
- [Hugh Morrison](#), National Center for Atmospheric Research, USA
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