

# HF Radio Propagation Course

**SYDNEY**

Tuesday 28 August 2018



Australian Government

Bureau of Meteorology

**Space Weather Services**

To increase the value of its services and products, the Bureau of Meteorology's Space Weather Services (SWS) offers one day courses on HF radio propagation. A one day course is scheduled for Sydney on Tuesday 28 August, 2018.

The course covers the following topics:

Section 1) The ionosphere, its structure and formation  
Reflection and absorption of HF radio waves  
Variations in the ionosphere  
Mapping and predicting the ionosphere

Section 2) HF radio propagation via the sky wave  
Skip zones  
Modes and hops  
Maximum Usable Frequency

Section 3) Solar disturbances and the effects on HF radio propagation  
Short wave fade-outs  
Ionospheric storms

Section 4) SWS predictions, web services and any questions on HF propagation software

Each person will receive an SWS HF propagation course manual which contains detailed notes of the course content and examples of SWS services.

Generally the course is aimed at the HF communicator, but the presentation may be tailored to suit the audience by emphasising topics of special interest. Indicate your particular interest if you wish on the enclosed registration form.



**Duration:** 9.00 am to about 4.00 pm.

**Cost:** \$600 per person (GST inclusive)

**What to do if you wish to attend the course:**

Complete the registration form and return to SWS by **24 August 2018**.

SWS will then confirm if places are available and provide venue details. Please note that payments are not processed until close to the course date. Also note the cancellation clause below.

**Cancellations:**

Cancellations must be in writing (email, letter, facsimile).

Cancellations must be received at SWS by 5 p.m. on 24 August 2018. Full payment will be required otherwise.

A full refund will be provided for pre-payment if a cancellation is received at SWS by 5 p.m. on 24 August 2018. Alternatively, if the registered person is unable to attend, another person may attend the course. There is no requirement to advise the change.

**Other:** morning and afternoon refreshments will be provided.

**Want to know when future HF Radio Propagation courses will be held?**

Subscribe to the ips-training list to receive short emails notifying dates of other HF Radio Propagation courses in Australia. Subscribe at:  
[listserv.ips.gov.au/mailman/listinfo/ips-training](mailto:listserv.ips.gov.au/mailman/listinfo/ips-training)

**For more information, contact SWS training:**

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