



## WMO OMM

World Meteorological Organization  
Organisation météorologique mondiale  
Organización Meteorológica Mundial  
Всемирная метеорологическая организация  
المنظمة العالمية للأرصاد الجوية  
世界气象组织

### Secrétariat

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Ref.: 14775/2022-1.6 MS/ETR

Notre réf.: 14775/2022/MS/ETR/CRS-722

6 juillet 2022

Annexes: 2 (disponibles en anglais uniquement)

Objet: Atelier en ligne du Programme de coopération volontaire (PCV) de l'OMM consacré à la détection et à la télémétrie par la lumière (LIDAR), Observatoire de Hong Kong, 13 au 16 septembre 2022

Suite à donner: Pour information et inscription le **19 août 2022** au plus tard

Madame, Monsieur,

J'ai le plaisir de vous informer que l'Observatoire de Hong Kong (HKO) accueillera, du 13 au 16 septembre 2022, l'atelier en ligne mentionné en objet.

Cette formation a pour objectif de renforcer les capacités des Membres de l'Organisation météorologique mondiale (OMM) qui souhaitent moderniser leurs services d'assistance météorologique à la navigation aérienne afin de répondre aux besoins du secteur. Les prévisionnistes en météorologie aéronautique et les chercheurs sont cordialement invités à y participer. La priorité sera donnée aux Membres des Régions II et V dont le trafic aérien est en forte croissance. Il est prévu d'accepter environ 40 participants au total. L'atelier, dont le programme est décrit dans ses grandes lignes à l'[annexe 1](#), se déroulera en anglais.

Les candidats intéressés sont priés de remplir le formulaire ci-joint ([annexe 2](#)) et de l'envoyer directement à M. Terence Kung (courriel: [tkung@hko.gov.hk](mailto:tkung@hko.gov.hk) ou télécopie: +852 2375 2645) dès que possible et au plus tard le **19 août 2022**.

Veuillez agréer, Madame, Monsieur, l'expression de ma considération distinguée.

Wenjian Zhang  
pour le Secrétaire général

Aux: Représentants permanents des Membres de l'OMM

cc: Conseillers en hydrologie

## WMO VCP and ICAO Online Workshop on Light Detection and Ranging (LIDAR)

Hong Kong, China, 13–16 September 2022

Ref.: 14775/2022-1.6 MS/ETR

**Objective**

To introduce the Light Detection and Ranging (LIDAR) and its application in the detection of windshear and turbulence for WMO Members who are interested to upgrade their aviation weather services for future aviation needs.

**Contents**

1. A brief introduction in Light Detection and Ranging (LIDAR) System
2. Techniques for the configuration and processing of LIDAR data
3. Application of LIDAR in windshear detection and warning, and aerosol monitoring
4. Limitation of LIDAR and mitigation measures
5. Sharing of experience from WMO Members

**Medium of instruction**

English

**Course date and time**

0700 – 1000 UTC, 13 to 16 September 2022

**Deadline for application**

The completed WMO Participants Nomination Form should be returned to the Hong Kong Observatory with a copy to the WMO Secretariat by 19 August 2022.

**Places offered**

Around 40 participants in total. Preference will be given to qualified applicants from RA II and RA V Members whose air traffic is increasing rapidly.

**Qualification and requirements of participants**

- Participants should be proficient in English
- Participants should have knowledge and experience in aviation forecasting
- Participants are expected to have a role in developing windshear and turbulence detection at present or in the future
- All participants are required to provide the course organizer feedback on the usefulness of the knowledge and skills acquired within 6 months after participating in the workshop on how these knowledge and skills would be applied in their NMHSs
- All participants are encouraged to actively maintain technical exchange and communication with the organizer and among themselves after the workshop

### **Course delivery**

Participants are expected to attend the workshop online through Zoom video conferencing in real-time mode, therefore a decent connection to the Internet should be in place to ensure a smooth streaming of video and sound, as well as a connection to remote servers to take part in practical sessions during the course.

### **Fellowship**

Tuition fee will be waived.

### **Enquiries**

Mr Terence Kung, Scientific Officer, Bong Kong Observatory, Hong Kong, China.  
Email: [tkung@hko.gov.hk](mailto:tkung@hko.gov.hk), fax: (852) 2375 2645, tel: (852) 2926 8319.

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**PARTICIPANTS NOMINATION FORM**

WMO VCP and ICAO Online Workshop on Light Detection and Ranging (LIDAR)

Hong Kong, China, 13–16 September 2022

Ref.: 14775/2022-16 MS/ETR

The Government of

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nominates the following candidate as a participant of the above workshop.

1. Family name (in capitals) :

2. First name (in capitals) :

3. Address:

Tel:

Fax;

Email:

4. Date of birth:

Male

Female

Nationality:

5. Qualifications (certificates, diplomas or degrees):

6. Present position and brief description of duties:

7. What roles or tasks will your participant be required to undertake after this workshop to enable your service to make the most of the opportunity to develop new knowledge and skills?

8. Working language:

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Note For applicants whose working language is not English, this nomination form must be accompanied by English proficiency certification.

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Permanent Representative

(signature)

(Name in capitals)

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Date:

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To be completed and sent to reach the following address on or before **19 August 2022**

Director of the Hong Kong Observatory  
(Attn: Mr Terence Kung, Scientific Officer)  
134 A, Nathan Road  
Hong Kong, China

Tel: +852 2926 8319 Fax: +852 2375 2645

Email: [tkung@hko.gov.hk](mailto:tkung@hko.gov.hk)

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