

# WMO OMM

WEATHER CLIMATE WATER  
TEMPS CLIMAT EAU



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

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4 de mayo de 2018

Anexos: 2 (disponibles en inglés solamente)

Asunto: Curso internacional de formación sobre la aplicación de datos de radar en la predicción inmediata de fenómenos meteorológicos de efectos devastadores (Nankín, China, 19 a 30 de noviembre de 2018)

Finalidad: Para información y para que se adopten las medidas pertinentes, según proceda

Estimado señor/Estimada señora:

Me es grato informarle que, del 19 al 30 de noviembre de 2018, la República Popular China acogerá un curso internacional de formación sobre la aplicación de datos de radar en la predicción inmediata de fenómenos meteorológicos de efectos devastadores en la Universidad de Ciencia y Tecnología de la Información de Nankín, que funciona como Centro Regional de Formación de la Organización Meteorológica Mundial (OMM) en Nankín (China).

Este curso está diseñado para ayudar a los participantes, mediante una instrucción teórica y práctica, a dominar la teoría y los principios básicos de los radares meteorológicos y el mecanismo dinámico de los fenómenos meteorológicos de efectos devastadores. También tiene por objeto mejorar la capacidad de los participantes para hacer predicciones inmediatas de ese tipo de fenómenos usando datos de radar a fin de mitigar el impacto de los desastres causados por fenómenos meteorológicos de efectos devastadores en el desarrollo socioeconómico sostenible. El curso se impartirá en inglés. En el anexo I (Enrolment Information) se adjunta información detallada sobre el curso.

Se solicita a los candidatos interesados que completen el formulario de solicitud (Application Form) adjunto (anexo II), que deberá contar con la aprobación del Representante Permanente de su país ante la OMM, y lo envíen directamente al Centro de Formación de la Administración Meteorológica de China, preferentemente por correo electrónico (rtc@nuist.edu.cn), lo antes posible pero a más tardar el **10 de octubre de 2018**.

Le saluda atentamente.

(W. Zhang)  
por el Secretario General

A los Representantes Permanentes (o Directores de los Servicios Meteorológicos o Hidrometeorológicos) de los Miembros de la OMM

Copias: Asesores Hidrológicos de los Representantes Permanentes

# INTERNATIONAL TRAINING COURSE ON THE APPLICATION OF RADAR DATA IN HIGH-IMPACT WEATHER NOWCAST

(Nanjing, China, 19-30 November 2018)

## ENROLMENT INFORMATION

*International Training Course on the Application of Radar Data in High-impact Weather Nowcast* is sponsored by China Meteorological Administration (CMA), and locally organized by WMO Regional Training Centre (RTC) Nanjing with Nanjing University of Information Science and Technology..

### Course Description

This course is designed to help participants, through theoretical study and practice, to master the basic theory and principles of meteorological radar and the dynamic mechanism of high impact weather (HIW). It also aims at improving participants' ability in HIW nowcast using radar data to mitigate the impact of HIW disasters on the socio-economic sustainable development.

### Expected Learning Outcomes

Upon completion of this training course, participants will have had a good understanding of knowledge and technologies relevant to radar detection, radar data quality control algorithms, radar data processing and product generations, radar data interpretation and analysis, application of weather radar in nowcasting and warning of severe weather, internal and external user communication of meteorological information.

### Target Audience

Meteorologists engaged in operational work or research relevant to radar meteorology and weather forecast from developing countries.

### Course Content

The training course will provide participants with fundamental knowledge on radar meteorology and weather radar application, which mainly cover introduction to radar meteorology, weather radar working principle, radar reflectivity factors- echo identification and analysis, radial velocity and wind retrieval, retrieval and analysis of rain drop size distribution, quantitative precipitation estimation, dual-polarization weather radar and its relevant products, radar data quality control, convective storm analysis and its radar echoes interpretation, assimilation of radar data in NWP models, application of radar data in severe weather nowcasting and warning, detection and

warning of hazardous weather events for aviation, and dynamic mechanism of high impact weather and its characteristics, etc..

### **Trainee Presentation**

As the course encourages discussions and exchanges, it will include sessions of trainee presentations (each lasting up to 30 minutes) on subjects related to the theme of the course. Please note that the presentations need to be technical and can focus on a particular working area relevant to the theme of the training course - radar meteorology and HIW Nowcast.

### **Course Format**

Lectures, practical sessions, seminar on special topics, discussion, and participant presentation etc.

### **Instructors**

Professors from Nanjing University of Information Science and Technology (NUIST) and senior experts from China Meteorological Administration.

### **Working language**

The course will be conducted in English.

### **Participant Qualifications for Admission**

Participants are required:

- 1) To specialize in forecasting with weather radars with a minimum of two years' professional experience;
- 2) To be in good physical health with no infectious diseases and physically fit to fulfill all course activities;
- 3) To own a English proficiency up to the needs of training events;
- 4) Not to be accompanied by family member(s) to the training course;
- 5) To observe all the laws, rules and regulations in China and respect the Chinese customs during the training.

### **Course Application and Trainee Selection**

- 1) The applicants must be meteorologists working in the field of weather forecasting from Meteorological and Hydrological Services of developing countries. The nominated candidates are requested to submit both his/her Application Form and a Valid Passport Scan (necessary) to the Regional Training Center (Nanjing) of World

Meteorological Organization for registration and enrolment.

2) Admission Notices will be issued to the accepted participants through e-mail by the Training Center Nanjing. With the Admission Notices, participants need to go through visa application and round international ticket booking to travel to China and register at the Regional Training Center (Nanjing) of World Meteorological Organization one day before the course begins.

**Only accepted applicants** that receive the Admission Notices endorsed by WMO RTC (Nanjing) can participate into the training course.

### **Costs**

1) Tuition fee is free for all the accepted participants that receive the endorsed Admission Notices by the WMO RTC Nanjing China;

2) Due to limited funds, the course sponsor only provides local support with accommodation, meals, and pocket money (CNY50 per day); Normally one applicant from each developing country or two applicants from each Least Developed Country receive above mentioned local supports from the course sponsor;

3) International travel costs including round trip tickets, transit fares and subsistence allowance during the travel are to be covered by the participants or their employers;

4) The expenses of visa, medical care, insurances and domestic salaries for the participants should be borne by the participants themselves or their employers;

5) The sponsor and organizer of this International Training Course do not hold any responsibility for such risks as loss of life, accidents, illness, and loss of property incurred throughout the training event.

### **Deadline for Application**

Application Documents should be sent to WMO Regional Training Center (Nanjing) before **October 10, 2018**.

Attn: Prof. MA Tinghuai, Executive Deputy Director  
WMO Regional Training Centre Nanjing  
Nanjing University of Information Science & Technology  
Nanjing, Jiangsu Province, 210044, China  
Tel: +86 25 58731404  
Fax: +86 25 5701 0085  
E-mail: [rtc@nuist.edu.cn](mailto:rtc@nuist.edu.cn)

# INTERNATIONAL TRAINING COURSE ON THE APPLICATION OF RADAR DATA IN HIGH-IMPACT WEATHER NOWCAST

(Nanjing, China, 19-30 November 2018)

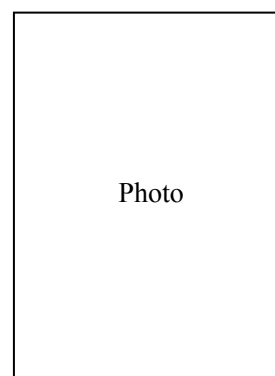
## APPLICATION FORM

### Special notes:

- This course is **ONLY** open to applications with official nominations of the Permanent Representative of World Meteorological Organization in the countries represented. Please make sure that the your application form bears the Signature and Official Seal of your country's PR with WMO (See Page 3-4 for details).
- Admission and enrolment won't be processed unless **BOTH** a properly filled application form **AND** a scan of the valid passport of the applicant are received by the local host.
- Please send above documents directly to the WMO Training Center Nanjing at [rtc@nuist.edu.cn](mailto:rtc@nuist.edu.cn) and in any case **no later than 10<sup>th</sup> October 2018**.
- Please be noted that the course contains sessions of trainee presentations (each lasting up to 30 minutes) on relevant technical subjects. You are kindly advised to make necessary preparations prior to your attendance.
- To avoid inaccuracy in information collection, starting from 2018 events, WMO RTC Nanjing **ONLY** accepts a completed application form scan with information filled out by TYPING except for items requesting signatures and seals on it. Thanks for your consideration!

### Personal Data

1. Surname \_\_\_\_\_  
First Name \_\_\_\_\_
2. Gender \_\_\_\_\_
3. Date of Birth \_\_\_\_\_
4. Passport Number \_\_\_\_\_
5. Nationality \_\_\_\_\_
6. Marital Status \_\_\_\_\_
7. Health Condition \_\_\_\_\_



8. History of infectious disease: ☐ No ☐ Yes

9. Telephone \_\_\_\_\_

E-mail Address \_\_\_\_\_

10. Contact person in emergency

Name \_\_\_\_\_

Postal Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone \_\_\_\_\_

E-mail Address \_\_\_\_\_

11. Statement of present work

Name of institution \_\_\_\_\_

Position held \_\_\_\_\_

A brief description of duties \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

12. Previous employment history

Date		Institution	Position and Duties
From	To		

13. Educational and/or professional qualification

Date	Major Subjects	Board/University	Degree/Diploma

**14. Language Proficiency**

Mother Tongue \_\_\_\_\_

English Proficiency (Please tick):

Reading: a. excellent b. good c. fair d. poor

Listening: a. excellent b. good c. fair d. poor

Speaking: a. excellent b. good c. fair d. poor

Writing: a. excellent b. good c. fair d. poor

**15. State why you wish to attend the course and indicate the practical use of the course to your work in the future.**


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**II. Insurance**

I fully understand that the seminar organizer does not take any responsibility for such risks as loss of life, accidents, illness, loss of property etc during your stay in China. You are recommended to arrange your insurance policy before you travel to China.

**III. Personal Statement**

I hereby declare that the information given above is true, correct, and complete. I shall bear the responsibility for the above information. I pledge to observe all the Chinese laws and will respect the local customs and follow the course regulations during my stay in China for the training course.

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Date

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Signature of the Applicant
**IV. Local Support Application**

Please indicate whether local support is required and if so, whether in the form of the accommodation, meals during the training period at the WMO RTC Nanjing.

Apply for the local support of:

Accommodation ☐ yes ☐ no

Meals ☐ yes ☐ no

If you cannot get local support from the organizer, will you and your government pay for the above expenses?

☐ yes☐ no**V. Endorsement of the Nominator (VERY IMPORTANT)**

1. Name of Organization

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2. Name and Signature of The Permanent Representative with WMO

Name 

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Signature 

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Official Seal 

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Date 

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**VI. Contact Details**

Focal Point: Prof. MA Tinghuai, Executive Deputy Director

WMO Regional Training Center Nanjing

Address: WMO Regional Training Centre Nanjing,

Nanjing University of Information Science and Technology

219 Ningliu Road, Pukou District

Nanjing, Jiangsu Province, 210044

China

Telephone: +86 25 58731404

Fax: +86 25 57010085

E-mail: rtc@nuist.edu.cn