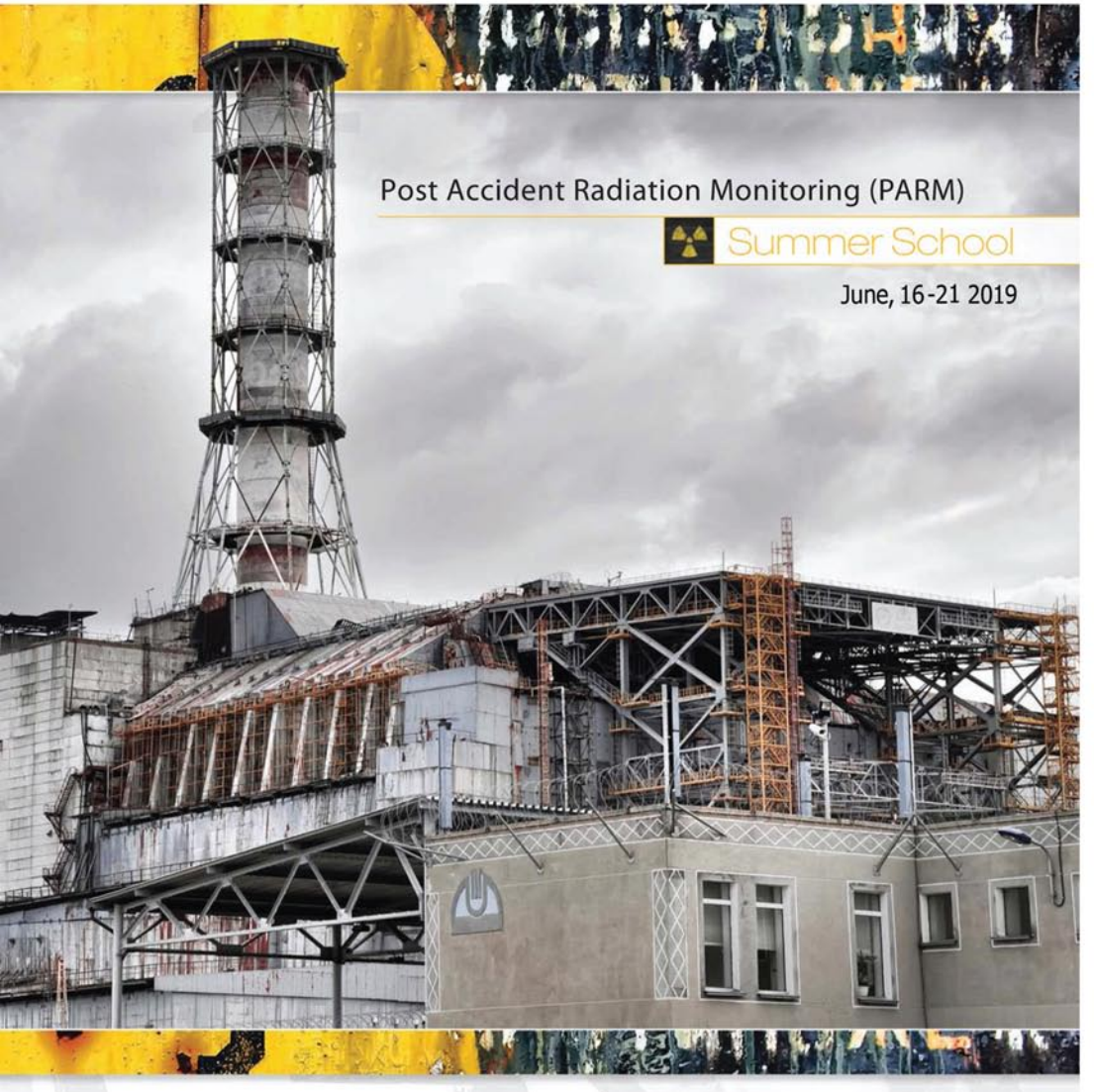


Post Accident Radiation Monitoring (PARM)

Summer School

June, 16-21 2019

DEADLINES:

- Registration and passport information ..... **April 20, 2019**
- Complete payment documents for bank transfer (the contract) ..... **May 10, 2019**
- Payment to bank account ..... **May 16, 2019**
- Arrival in Kyiv, Ukraine, and transportation to the training facility ..... **June 16, 2019**

IMPORTANT INFORMATION TO NOTE:

- For the preparation of the entry pass to the Chernobyl Exclusion Zone, a copy of the passport is required
- If you want test out any of your own instruments, contact Galyna Kazymyrova at galina@akp.kiev.ua to inform her

BE PREPARED

Accidents happen — but when it comes to radiation, how you are prepared to handle them can mean the difference in many people's lives. So being prepared for an accident is crucial, and the best way to be prepared is to get hands-on experience in an environment that already experienced devastating radiation contamination.

OBJECTIVES

This training course is organized to provide training and experience in:

- Techniques of post-accidental radiation monitoring
- Accidental dose assessment
- Decision making regarding nuclear or radiological accidents

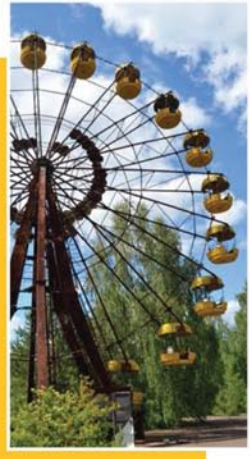
WHO SHOULD ATTEND

The curriculum is designed for emergency workers, decision-makers, graduate students, university faculty and scientists interested in emergency preparedness and response, radiation protection and risk assessment.

CURRICULUM

- Classroom instruction
- Field training
- Exercises in highly contaminated areas of the Chernobyl Exclusion Zone

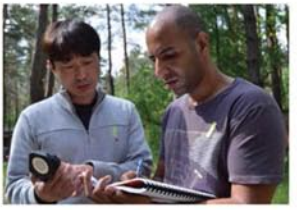
The schedules for lectures and laboratory exercises are developed by an international panel of experts. They are based on current international standards and methodologies. The training materials of the IAEA train-the-trainers course "Regional Train-the-Trainers Course on Monitoring Strategies, Procedures, Reporting and Transmission of Data" will be used. The European Centre of Technological Safety (TESEC) will provide faculty, laboratory facilities and arrange access to the field sites.



BACKGROUND

The Chernobyl accident has provided a unique learning opportunity – it allows people to conduct research, more thoroughly prepare for potential future accidents and learn about post-accident radiation monitoring. It is only one of a few places in the world where effective training and experience in internal and external dose assessment, radioactive sample collection and preparation, contamination mapping and decision-making can be provided in a highly contaminated area. It is important to expand such experience for upgrading of post-accident radiation monitoring techniques and decision-making whenever there is a nuclear or other radiological accident.

TESEC was created by the Ministry of Ukraine of Emergencies and Affairs of Population Protection from the Consequences of Chernobyl Catastrophe, the Council of Europe Open Partial Agreement on the Prevention of Protection Against and the Organization of Relief in Major Natural and Technological Disasters. It has both the laboratory facilities and faculty needed to provide advanced lectures, drills and exercises to help others effectively respond to any potential radiation accident in the future.



Post-Accident Radiation Monitoring Techniques

Summer School

June, 16-21 2019

DISTINGUISHING FEATURES OF THE COURSE

1. The group of participants will be divided into teams to perform gamma and beta surveys, in-situ gamma spectrometry, vegetation and soil sampling in contaminated field and forest locations, data acquisition and assessment

2. Each participant will be trained as an emergency monitoring team member where he/she will be able to apply his/her experience in "real" conditions and provide measurements; with this exercise, each participant will be able to determine what action he/she should take during different phases of an accident and use his/her measurements and to make decisions. Lectures and accommodations will take place at the TESEC training facilities (22 miles from Kiev). Opportunities for visits and tours to Kiev will be provided through TESEC.

TRAVEL

Participants should make their own travel arrangements to Boryspil International Airport (KBP) of Kiev, Ukraine; TESEC can provide guidance.

VISIT

City of Pripyat, Ukraine (abandoned city near Chernobyl NPP)

COURSE STRUCTURE

- ***Lectures***
  - Module M 1: Emergency monitoring overview
  - Module M 2: Field radiation and contamination monitoring
  - Module M 3: Field sampling
  - Module M 4: Gamma spectrometry
  - Module M 5: Radiation protection of monitoring teams
  - Module M 6: Basic data evaluation
  - Special lecture: *Chernobyl accident*
- ***Demonstrations and Drills***
  - Session 1: Radiation instruments
  - Session 2: Sampling equipment and techniques
  - Session 3: Gamma spectrometer calibration
  - Session 4: Personal and equipment contamination check
  - Session 5: Evaluation session
- ***Field Exercises***
  - Exercise No. 1: Radiation and contamination monitoring
  - Exercise No. 2: Sampling
  - Exercise No. 3: In-situ gamma spectrometry
  - Exercise No. 4: Laboratory measurements
  - Exercise No. 5: Personal and equipment contamination check

IMPORTANT INFORMATION TO KNOW:

- ***Organizers:***
  1. TESEC, Kiev, Ukraine, **www.tesec-int.org**
  2. Research and Production Enterprise Atom Komplex Prylad, Kiev, Ukraine, **www.akp.com.ua**
- ***Host Institute:*** TESEC
- ***Executive Organization:*** RPE Atom Komplex Prylad, Kiev, Ukraine
- ***Workshop Director:*** Dr. Victor Poyarkov, Director of TESEC
- ***Workshop Executive Director:*** Ms. Galyna Kazymyrova
- ***Phone:*** +380-44-501-4907
- ***Fax:*** +380-44-502-8918
- ***Email:*** galyna@akp.kiev.ua
- ***Workshop Language:*** English
- ***Workshop Location:*** Training facility in Kyiv Region, about 22 miles (35km) from Kiev, Ukraine
- ***Field Exercise Location:*** Zone of Chernobyl Nuclear Power Plant
- ***Nearest International Airport:*** Boryspil, Kiev, Ukraine (KBP)
- ***Information about Participants:*** A copy of your passport's first page and completed Participants' Registration Form must be sent to Galyna Kazymyrova either via email or fax (see last page)

Post-Accident Radiation Monitoring Techniques

Summer School

June, 16-21 2019

PARTICIPANTS' REGISTRATION FORM:

To register, fill out the below information and return via email to galina@akp.kiev.ua, or fax to +380-44-502-8918 with note "For Galyna Kazymyrova."

Name

Title

Organization

Address

City State

Country

Phone Fax

Email Address:

Company Web Address

Arrival Date and Time

Departure Date and Time

Payment (bank account/cash during registration)

CANCELLATIONPOLICY:

- Cancellation free of charge until six weeks prior to training start
- Cancellation fee 50% of net price to Thermo Fisher Scientific until four weeks prior beginning of training
- Full training fee applies for cancellations within four weeks of start date and for non-appearance

COST OF COURSE AND PAYMENT

- **$ 2,980** for one person

THE PRICE INCLUDES:

- Transportation from airport to training facility
- Training: lecture, drills, exercises
- Visit to Exclusion Zone of Chernobyl NPP
- Three meals/day, coffee breaks
- Personal protection clothing for training and work
- Materials for lecture and practice training
- Accommodations

Minimum/maximum number of participants: 10 to 15

REGISTER EARLY TO SECURE YOUR SPOT!