



Atoms for Peace and Development

الوكالة الدولية للطاقة الذرية
国际原子能机构
International Atomic Energy Agency
Agence internationale de l'énergie atomique
Международное агентство по атомной энергии
Organismo Internacional de Energía Atómica

Vienna International Centre, PO Box 100, 1400 Vienna, Austria
Phone: (+43 1) 2600 • Fax: (+43 1) 26007
Email: Official.Mail@iaea.org • Internet: <https://www.iaea.org>

In reply please refer to: **EVT2102631**
Dial directly to extension: (+43 1) 2600-26726

The Secretariat of the International Atomic Energy Agency (IAEA) presents its compliments to the IAEA's Member States and has the honour to draw their attention to the **International Training Course on Nuclear Forensics Methodologies** (hereinafter referred to as "event") to be held in Richland, WA, United States of America, from **27 February to 10 March 2023**.

The purpose of the event is to provide practitioners with theoretical and practical training on the measurement of nuclear and other radioactive samples for forensic analysis.

The event will be held in English.

Member States are invited to designate one or more participants to represent the Government at this event. Member States are strongly encouraged to identify women participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event. The application for financial support should be made at the time of designating the participants using the attached Grant Application Form (Form C).

It should be noted that compensation is not payable by the IAEA for any damage to or loss of personal property. The IAEA also does not provide health insurance coverage for participants in IAEA events. Arrangements for private insurance coverage on an individual basis should therefore be made. The IAEA will, however, provide insurance coverage for accidents and illnesses that clearly result from any work performed for the IAEA.

Designations should be submitted to the IAEA through the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) not later than **11 November 2022** using the attached Participation Form (Form A). Completed and authorized Participation Forms should be sent either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Copies should be sent by email to the Scientific Secretary of the event, Mr Gary Eppich, Division of Nuclear Security, Department of Nuclear Safety and Security (Email: G.Eppich@iaea.org), and to the Administrative Secretary, Ms Nicola Vorhofer (Email: N.Vorhofer@iaea.org). The Scientific Secretary of the event will liaise with the participants directly concerning further arrangements, including travel details, as appropriate, once official designations have been received.

The Secretariat of the International Atomic Energy Agency avails itself of this opportunity to renew to the IAEA's Member States the assurances of its highest consideration.



2022-10-21

Enclosures: Information Sheet
 Participation Form (Form A)
 Grant Application Form (Form C)



International Training Course on Nuclear Forensics Methodologies

Hosted by the

Government of the United States of America

through the

Pacific Northwest National Laboratory (PNNL)

Richland, WA, United States of America

27 February - 10 March 2023

Ref. No.: EVT2102631

Information Sheet

Introduction

This training course will provide instruction on the processing of interdicted samples by a nuclear forensics laboratory using state-of-the-art non-destructive physical and radiation counting techniques, as well as destructive analysis by mass spectrometry and micro-beam techniques. (e.g. SIMS and TEM). This instruction will emphasize the use of multiple analytical measurements to provide insights to the provenance of samples of interest as well as attribution judgements supporting a national response. In addition, the training will demonstrate how to develop a sequenced analytical plan that supports law enforcement or related investigations through the appropriate handling of radioactive evidence, including quality control requirements.

Objectives

The purpose of the course is to provide technical information and a hands-on learning environment for practitioners on the measurement of nuclear and other radioactive samples for forensic analysis consistent with IAEA Nuclear Security Series No, 2-G (Rev. 1), Nuclear Forensics in Support of Investigations. More specifically, the course will utilize an internationally recognized nuclear forensics laboratory setting to enhance awareness of how nuclear forensic measurements can support a national response plan, and will provide participants with an introduction to current scientific methods for nuclear

forensic analysis and interpretation, as well as the opportunity to learn from leading experts about measurements essential to the early phases of a nuclear forensic examination.

Target Audience

Designated participants are required to have experience in handling radioactive materials. The participants should have demonstrated experience in measurements of nuclear materials and/or forensic examination, as well as in analytical methods, including non destructive (e.g. gamma ray spectrometry) and/or destructive (e.g. mass spectrometry, electron microscopy, X-ray methods) analysis of nuclear and other radioactive materials.

Working Language(s)

English

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **11 November 2022**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made using the **Grant Application Form (Form C)** which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **11 November 2022**.

Visas

Participants who require a visa to enter United States of America should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of United States of America.

Organization

Scientific Secretary

Mr Gary Eppich

Division of Nuclear Security
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 26726

Fax: +43 1 26007

Email: G.Eppich@iaea.org

Administrative Secretary

Ms Nicola Vorhofer

Division of Nuclear Security
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 24696

Fax: +43 1 26007

Email: N.Vorhofer@iaea.org

Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.

Participation Form

International Training Course on Nuclear Forensics Methodologies

Richland, WA, United States of America

27 February to 10 March 2023

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary, Mr Gary Eppich, Division of Nuclear Security, Department of Nuclear Safety and Security (Email: G.Eppich@iaea.org) and to the Administrative Secretary, Ms Nicola Vorhofer, (Email: N.Vorhofer@iaea.org).

Deadline for receipt by IAEA through official channels: 11 November 2022

Representing following Member-State/ non-Member State/entity or invited organization:		
Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Name of Institute/Affiliation:		
Address of Institute/Affiliation:		
Tel. (Fax) Office/Mobile:		
Email:		
Date of birth (YYYY-MM-DD):	Place of birth:	
Nationality:	Passport number:	
Date/Place of issue of passport:	Passport valid until:	

1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended	
			from	to

2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years worked	
			from	to

3. Description of work performed over the last three years:

4. Relevance of the event:

How do you envisage applying the knowledge and/or experience gained from the event to your current work role?

5. Language skills:

Enter your languages and your proficiency per Description

Mother tongue:		Proficiency Description:
Language:	Proficiency:	
		FLUENT (F): Speak, read and write nearly as well as mother tongue
		WORKING KNOWLEDGE (W): Speak, read and write nearly as well as mother tongue Engage freely in discussions, read and write more complex material
		LIMITED (L): Limited conversation, reading of newspapers, routine correspondence

6. Medical Status

Both the designating authority and the applicant acknowledge that the applicant shall be solely responsible for his or her fitness to travel, as well as for any medical requirements or precautions in connection with traveling to the event, including vaccinations or immunizations.

Yes

Date: _____ **Signature of applicant:** _____

Date: _____ **Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority** _____

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate.

Grant Application Form

International Training Course on Nuclear Forensics Methodologies

Richland, WA, United States of America

27 February to 10 March 2023

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary, Mr Gary Eppich, Division of Nuclear Security, Department of Nuclear Safety and Security (Email: G.Eppich@iaea.org) and to the Administrative Secretary, Ms Nicola Vorhofer, (Email: N.Vorhofer@iaea.org).

Deadline for receipt by IAEA through official channels by 11 November 2022

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yyyy/mm/dd):	Nationality:	

1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended	
			from	to

2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years attended	
			from	to

3. Description of work performed over the last three years:

4. Institute's/Member State's programme in field of event:

Date: _____ **Signature of applicant:** _____

Date: _____ **Name, signature and stamp of Ministry of Foreign Affairs,
Permanent Mission to the IAEA or National Atomic Energy
Authority**