

Li*ois*ons



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Robert F. Sinatra
1979 – 2008

It is with deep regret that ISPO must inform friends and colleagues of the passing of Rob Sinatra. We appreciated his strong work ethic and gentle spirit. It is impossible to quantify how deeply he will be missed by all of us at ISPO. Our hearts and minds are with his loving family.

Recruitment for the Department of Safeguards

Donna Occhiogrosso

The following positions are being advertised by the IAEA Department of Safeguards:

Cost-Free Expert & Junior Professional Officer Positions:

The initial duration of a Cost-Free Expert (CFE) appointment is two years and Junior Professional Officer (JPO) is for one year. CFEs and JPOs are employed by the IAEA with funding provided by the US or another member state. Please

visit the ISPO website at www.bnl.gov/ispo, for further information and details regarding these postings.

06/TIE-007 Expert – Unattended & Integrated Monitoring Systems (P3)

06/TIE-008 Expert – Unattended Monitoring Systems and NDA Data Acquisition (P4)

07/TTS-008 JPO – Safeguards Analytical Services (P1 or P2)

IAEA Staff Positions:

Senior Inspector for State Level Coordination (P5)

Section OC4 - Division of Operations C

Vacancy Notice No. 2008/025

Deadline: June 14, 2008

Published Salary: \$134,000

Programme Management Officer (P3)

Technical Support Coordination Section

Division of Technical Support
Vacancy Notice No. 2008/901

Deadline: June 09, 2008

Published Salary: \$93,000

Budget and Finance Officer

Program and Resources Section
Division of Concepts and Planning (P4)

Vacancy Notice No. 2008/027

Deadline: June 10, 2008

Published Salary: \$112,000

BROOKHAVEN
NATIONAL LABORATORY

managed for the U.S. Department of Energy by Brookhaven Science Associates,
a company founded by Stony Brook University and Battelle

Please contact Donna Occhiogrosso, occhio@bnl.gov, for information regarding positions in the IAEA Department of Safeguards.

Pease contact Christine O'Brien, cobrien@dep.anl.gov, for positions in other departments of the IAEA.

These points of contact can provide information about the status of individual applications.

eCC Revisions Nedy Santiago and Linda Sinatra

Laboratory personnel funded by POTAS to travel to Vienna or other foreign destinations will be required to prepare a 1512 and electronic country clearance (eCC) to obtain travel authorization from DOE. This (revised) procedure explains the various steps to be taken in preparing the eCC. Changes are highlighted in yellow.

POTAS (Program for Technical Assistance to IAEA Safeguards) Procedure for Electronic Country Clearance (eCC) and Foreign Travel Management System (FTMS) for Laboratory personnel and subcontractors' travel to Vienna, Austria, for work with the IAEA (International Atomic Energy Agency):

Background: Laboratory personnel funded by POTAS to travel to Vienna or other foreign destinations will be required to prepare the DOE F 551.1, Request for Approval of Foreign Travel and electronic country clearances (eCCs), to obtain travel authorization from the Department of Energy (DOE). This procedure explains the various steps to be taken in preparing the eCC. ISPO has begun a campaign to educate the USSP Laboratory Coordinators on how to properly submit an eCC for POTAS travel.

Procedure:

1. Before starting the eCC, the traveler's Laboratory should notify ISPO of the planned travel, so that ISPO can determine whether the travel has been approved by the SSTS. If the travel has not been approved by the SSTS, ISPO will have to conduct an e-poll to get approval for the travel. If ISPO determines the travel has been pre-approved, the Laboratory can begin the eCC.

2. When the travel has been approved, the traveler's Laboratory will enter the traveler's trip information into the DOE Foreign Travel Management System (FTMS).

- In section II, #20, list **all** the names of other personnel travel on this trip (this should match the names on the eCC).
- In section III, #28, include the following statement with the purpose of the trip: "Funding for this travel has been approved by the SSTS under POTAS task #_____". (The task number is available from the traveler or the ISPO Task Monitor.)
- Include in your routing Michele Rabatin, Nedy Santiago, and **Linda Sinatra** (Brookhaven National Laboratory) as notify-local, and Bobby Carter (NA24) as Programmatic RPSO-approver.

3. The traveler's Laboratory will prepare the eCC when:

- The traveler is the only person traveling on this trip.
- The traveler is the trip lead for the group.
Note: If an ISPO staff member is traveling on the trip, the cable will be prepared by Brookhaven National Laboratory (BNL).

When creating the eCC:

- Choose the destination country as: "Austria, Unvie Vienna.
- Add **all** the travelers listed in the FTMS on the eCC.
- Include in the purpose of the visit "Funding for this travel has been approved by the SSTS under POTAS task#_____". (Task number is available from the traveler or the ISPO Technical Representative.)
- Choose Agency/Section/Other as IAEA.
- **POC at post: Barbara Hoffheins.**
- Submit the eCC request and add to the cc multiple email address the following list of carbon-copy (cc) recipients among any others you may have, using a semi-colon (;) after each email address:

Susan Pepper pepper@bnl.gov
Nedy Santiago Santiago@bnl.gov
Michele Rabatin Rabatin@bnl.gov
Robert Cockerham cockerhamrs@state.gov
James Killian james.killian.ctr@osd.mil
William O'Connor william.o'connor@nnsa.doe.gov
Heather VonBehren vonbehrenhw@state.gov

Barbara Hoffheins hoffheins@bnl.gov
Michael Kelly Michael.Kelly@nrc.gov
Bobby Carter bobby.carter@hq.doe.gov
And **one** of the following ISPO Task Monitors:
Al Queirolo quierolo@bnl.gov
Ray Diaz diazr@bnl.gov
Josh Tackentien tackentien@bnl.gov

This list will distribute the eCC to the SSTS (Subgroup on Safeguards Technical Support), ISPO, and the US Mission Vienna.

4. The approval process will be as follows:
- ISPO will notify the ISPO Liaison Officer, Barbara Hoffheins, that travel has been approved for the traveler(s).
 - If the eCC needs to be revised, the Liaison Officer will not approve it and it will be sent back to the originating laboratory.
 - The US Mission Vienna will approve or not approve the eCC, based on the notification from ISPO. The approval will be distributed automatically to all the personnel listed as the carbon copied recipients on the eCC.

Note: It is expected there will be cases when the laboratories will not submit the eCC properly. However, the system is fail-safe in that the US Mission Vienna will not approve the eCC for a traveler, unless they have been informed that the SSTS has approved the travel. If the SSTS and ISPO personnel are bypassed in the eCC submittal, Barbara Hoffheins will not approve the travel.

ISPO Information System (IIS) Database Progress Report

Al Queirolo

The International Safeguards Project Office (ISPO) continues to use the information management system built by the Information Systems Analysis and Development (ISAD) team at Los Alamos National Laboratory (LANL). The system handles daily operations, such as travel arrangements, calendars, contact management, and access requests. The system has an electronic library which houses reports, documents, photos, and other material. An important component in the system is the recruitment module, which is being used to attract highly desirable

experts to assist the International Atomic Energy Agency (IAEA), through cost-free expert and junior professional officer positions. The ISPO recruitment office is using the IIS to plan for, and to manage, recruitment trips, tradeshows, and other outreach activities.

The financial module approved in January is used daily by ISPO and by other system participants for expense reporting. Laboratory Coordinators can access the module to view up-to-date financial information for both their active and closed tasks. ISPO appreciates the help and patience of all those who participated in the system tests.

ISPO successfully tested the capsule summary in April and we have gone live with this module. The new format allows interactive input, eliminating the need to contact ISPO to make corrections. When the Coordinator is satisfied with their summary, they may click on a submit button, which notifies ISPO that the summary is ready for review. Coordinators will have access to a report which details the status of each summary: awaiting submission, pending approval, approved, or returned for modification.

ISAD developers and ISPO task monitors worked together to finalize the task management module. Once this critical module has been approved, it will undergo beta testing using program coordinators from a variety of organizations. This beta test will give participants the opportunity to provide suggestions and clarify any outstanding issues.

Please contact Al Queirolo, IIS Project Manager, at (631) 344-4442, if you have a need to access elements of the information system.

Security Seals Symposium

Ray Diaz

I attended the 8th Security Seals Symposium at the Francis Marion Hotel in Charleston, South Carolina, from January 29 to 31, 2008. The symposium was presented by the Department of Homeland Security, the Transportation Security Administration, and the Department of Defense Lock Program. The keynote speaker was Admiral James M. Loy, Senior Counselor, the Cohen Group. The purpose of the symposium is to bring together government and private sector

sealing experts to discuss emerging technologies and to exchange information. Several of the tasks assigned to me involve IAEA sealing systems. I attended this symposium to obtain knowledge of the existing seals used throughout the industry and of the emerging new seal technology. The symposium consisted of presentations and with question and answer periods. Vendor exhibits were available and I obtained contact information from the various vendors. Emerging sealing technology was presented: anti-evidence seals by Argonne National Laboratory and optically stimulated luminescence by Pacific Northwest National Laboratory. Presentations applicable to IAEA safeguards were: "Securing Pandora's Box, Avoiding the Gotchas" by ANL, "Sealing and Containment Verification" by Canberra, "A Hand-held Verifier to Confirm the Presence of OSL Security Features in Tags and Seals" by PNNL, and "Future Directions in Physical Security" by ANL. The consensus opinion at the symposium was that a single sealing system applied to one security application is vulnerable to being defeated. The most effective sealing system consisted of a layered approach (multiple seal systems for one application). The meeting coordinators are in the process of providing the meeting minutes and a CD containing meeting presentations to the participants.

Staff Changes at the IAEA

Susan Pepper

James Regula's appointment as the Unit Head for the Remote Monitoring Unit is official. His last day as a US cost free expert for remote monitoring was March 27, 2008. Mr. Regula has been a CFE in the Division for Safeguards Technical Services (SGTS) since May 2002. He has been involved actively in designing and implementing remote monitoring systems for installation in Canada, Japan, South Korea, the United States, and other IAEA member states.

Adam Shephard completed his Junior Professional Office (JPO) assignment in the Division of Safeguards Technical Services. He assisted the IAEA with the preparation of procedures for safeguards equipment and with feasibility studies of new techniques for the measurement of nuclear materials. Mr. Shephard returned to Texas A&M to complete his masters degree in nuclear engineering, following his assignment.

Michael Uzzle completed his assignment as a CFE in the Division of Safeguards Concepts and Planning. Mr. Uzzle assisted the IAEA with enrichment. He provided support to the update of the Physical Model. Mr. Uzzle returned to Oak Ridge National Laboratory (ORNL), following his assignment.

John Cliff completed his one-year CFE assignment at the Safeguards Analytical Laboratory in January 2008. Dr. Cliff brought the IAEA's Secondary Ion Mass Spectrometer (SIMS) back into operation and analyzed several inspection samples successfully. He trained the IAEA's new SIMS operator to continue this work after his departure. The USSP awarded Dr. Cliff with an Outstanding Achievement Award, to show appreciation for his outstanding work. Dr. Cliff accepted a position at the University of Western Australia in Crawley, following his IAEA assignment.

Vera Firbasova left the IAEA in February, after a one-year assignment as the Unit Head for Support Program Coordination. Ms Firbasova was a staff member in the Support Program Office (SPO), prior to this assignment. ISPO is very appreciative of the support provided by Ms. Firbasova during her tenure in the SPO and we wish her well in the future.

Michael Farnitano was selected by the IAEA to succeed Vera Firbasova as the head of the Support Program Coordination Unit. Mr. Farnitano will be responsible for managing the IAEA's interactions with the Member State Support Programs, including the USSP. Mr. Farnitano was previously an inspector in Operations C. He was the ISPO Liaison Officer at the US Mission to International Organizations in Vienna, before joining the IAEA in 2005.

Lea Ruscio began her assignment as a cost free expert (CFE) with the nVision project in the Division of Safeguards Information Management, in January 2008. Ms. Ruscio worked formerly with NATO as a systems engineer, in Brussels. She has a Master of Science in Artificial Intelligence from the University of Edinburgh.

Martin Sweet began his assignment in the Section for Attended and Unattended Non-destructive Analysis Equipment in SGTS in April 2008. He will be responsible for assisting the IAEA with the IAEA Inspector Information System (I3S) at the Rokkasho Reprocessing Plant. Mr.

Sweet was responsible for nuclear electronics for satellite instrumentation at Los Alamos National Laboratory (LANL).

Alisa Carrigan joined the Information Analysis Unit in SGIM as a JPO in March 2008. She will assist the IAEA with open source information collection and analysis. Ms. Carrigan has a PhD in War Studies and International Relations from King's College in London.

MSSP Coordinators' Meeting

Barbara Hoffheins and Susan Pepper

The Member State Support Program (MSSP) Coordinators' Meeting was held at IAEA Headquarters in Vienna, from April 8 to 11, 2008. There are twenty-one MSSPs. Representatives from Australia, Belgium, Brazil, Canada, China, the Czech Republic, the European Commission, Finland, France, Germany, Hungary, ROK, Japan, the Netherlands, Russia, South Africa, Spain, Sweden, the UK, and the US attended the meeting. The newest MSSPs are Spain and China, who began their programs since the last Coordinators' meeting in March 2006.

Germany and Canada are celebrating their thirtieth anniversaries in 2008. France, Russia, and Belgium celebrated their twenty-fifth anniversaries in 2007. Germany hosted a reception during the meeting to mark its thirtieth anniversary.

Dick Keeffe was the Coordinator of the Canadian Safeguards Support Program (CSSP) for many years, Mr. Keeffe announced his retirement in July 2008. He has been an active participant in MSSP meetings and has been generous with his insights on safeguards issues. The USSP has enjoyed a close relationship with the CSSP under Mr. Keeffe's leadership. ISPO joins the MSSPs in congratulating him and in wishing him well in his retirement.

Extrabudgetary contributions amount to 36.6 million euros or 13.2 percent of the 2008 - 2009 budget for Nuclear Verification. The US Support Program (USSP) funds about one-third of IAEA's MSSP tasks. POTAS funding for FY08 is \$14.4 million.

The R&D Programme for Nuclear Verification 2008 - 2009 was released to coincide with the MSSP Coordinators' meeting. The agenda

included presentations on Safeguards' R&D projects, most of which are supported by MSSPs. The R&D Programme is available electronically from ISPO. Safeguards Concepts and Planning Division (SGCP) presented its new strategic planning process, which will include a twelve-year cycle.

The IAEA gave presentations on its programs and activities to inform the member states about their contributions and about current and future Safeguards needs.

Upcoming Meetings

May 19 - 22, 2008 – **USSP Annual Review Meeting**, Vienna, Austria (USSP contractors are invited to attend at their own expense).

July 13 - 17, 2008 – **INMM 49th Annual Meeting**, Nashville, TN (www.inmm.org).

July 13 - 17, 2008 – **Health Physics Society Meeting**, Pittsburgh, PA (www.hps.org/meetings/).

August 6 - 7, 2008 – **Enhanced Recruitment for International Safeguards**, Upton, NY (BNL) (www.bnl.gov/ISPO/events.asp).

October 6 - 9, 2008, – **INMM/ESARDA Workshop**, "Meeting Safeguards Challenges in an Expanding Nuclear World," International House of Japan, Roppongi, Tokyo, Japan (www.inmm.org).

October 19 - 25, 2008 – **IEEE NSS-MIC Conference**, Dresden, Germany.

October 28 - 31, 2008, – **Facility Design and Plant Operation Features that Facilitate the Implementation of IAEA Safeguards**, IAEA Headquarters, Vienna (by invitation).

November 6 - 8, 2008 – **Women Engineers National Conference**, Baltimore, Maryland.

November 9 - 13, 2008 – **ANS Winter Meeting**, Reno, Nevada.