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A Quarterly Newsletter Published by the International Safeguards Project Office

2nd Quarter

April - June, 2008

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BROOKHAVEN
NATIONAL LABORATORY

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Recruitment for the Department of Safeguards

Donna Occhiogrosso

Cost-Free Expert Positions:

The initial duration of a Cost-Free Expert (CFE) appointment is two years. CFEs are employed by the IAEA with funding provided by the U.S. or another member state. For further information and details regarding these postings, please visit the ISPO website at www.bnl.gov/ispo.

07/IAP-001 Expert – Contract Maintenance & Performance Monitoring Specialist

08/CTR-001 Expert – Senior Instrumentation Specialist (P5)

08/TTS-001 Expert – Destructive Analysis of Nuclear Material (P3)

08/TTS-002 Expert – (P4) Documentation Specialist

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

07/ICO-003 Expert – Safeguards Next Generation Desktop Development (P3)

IAEA Staff Positions:

Quality Assurance Engineer (P3)
Project Management Service
Unit Information Architecture and Projects Section

Division of Information Management

Vacancy Notice No. 2008/055
Deadline: September 8, 2008
Published Salary: \$94,000

Unit Head (P5)

Attended and Unattended Non-Destructive Assay Section
Division of Technical Support
Vacancy Notice No. 2008/053
Deadline: September 9, 2008
Published Salary: \$135,000

Section Head (P5)

Technical Support Coordination Section
Division of Technical Support
Vacancy Notice No. 2008/056
Deadline: September 8, 2008
Published Salary: \$135,000

Equipment Preparation Engineer (P3)

Inspection Logistics Section
Division of Technical Support
Vacancy Notice No. 2008/907
Deadline: September 8, 2008
Published Salary: \$94,000

Senior Inspector for Coordination (P5)

Coordination and Support Section
Division of Operations B
Vacancy Notice No. 2008/910
Deadline: September 8, 2008
Published Salary: \$135,000

Safeguards Analyst (P4)
Process Design Section
Division of Concepts and Planning
Vacancy Notice No. 2008/057
Deadline: September 15, 2008
Published Salary: \$113,000

Director (D1)
Division of Operations C
Vacancy Notice No. 2008/067
Deadline: September 15, 2008
Published Salary: \$158,000

Safeguards Information Analyst (P4)
Information Management Unit
Declared and Statistical Information Analysis
Section
Vacancy Notice No. 2008/912
Deadline: October 1, 2008
Published Salary: \$111,602

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

Please 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.

2009 UNITED NATIONS NATIONAL COMPETITIVE RECRUITMENT EXAMINATION

The following information is for U.S. citizens seeking junior professional posts. Junior professional posts are entry level positions that provide essential assistance to a United Nations organization while giving the junior professional valuable working experience and an introduction to international civil service. The U.S. Department of State would appreciate your help in circulating as widely as possible this invitation for qualified U.S. citizens to take an upcoming examination being given by the United Nations for entry-level professional positions. Listed below is information about the examination, as well as a link to the UN's exam website.

The exam will be held on February 24, 2009, in New York City and San Francisco. Travel expenses to and from exam site will not be paid by the UN or U.S. Government. The exam may

be limited to the 40 most qualified Americans per occupational group. The deadline for application is October 31, 2008. Detailed information and application forms may be obtained at: www.un.org/Depts/OHRM/examin/ncrepage.htm

EXAMINATION CRITERIA (all must be met)

1. Be no more than 32 years old as of December 31, 2009 (UN requirement).
2. Have at least an undergraduate degree (advanced degree is an advantage but is not required) in one of the following occupational fields or related areas:
 - Administration
 - Economics
 - Finance
 - Information Technology
 - Public Information
 - Social Affairs
 - Statistics
3. Be fluent in English and/or French, the two working languages of the Secretariat. Knowledge of additional official languages of the UN (Arabic, Chinese, Russian, and Spanish) is a definite advantage.

2008 U.S. Support Program Annual Review Meeting

B. Hoffheins, A. Queirolo and S. Pepper

The U.S. Support Program (USSP) Annual Review Meeting was held at the IAEA Headquarters in Vienna May 19 – 23, 2008. The meeting highlighted the new and ongoing 2008-2009 Safeguards R&D Programme projects, for which U.S. and other Member State support will be requested.

The USSP meets annually with the IAEA to exchange information about the status of major IAEA Department of Safeguards (SGs) projects for which the U.S. contributes substantially, through direct and in-kind support. IAEA participation consists mainly of support division staff, who are principally in charge of IAEA R&D tasks. The U.S. delegation consists of the Subgroup on Safeguards Technical Support (SSTS), which makes the funding decisions for the

USSP; representation from the International Safeguards Project Office (ISPO), which manages the USSP; and contractor representatives from various DOE laboratories and the private sector. Some of the laboratory representatives gave technology briefings, which were very well attended by IAEA staff.

The IAEA briefings on the Safeguards Analytical Laboratory (SAL) were designed to demonstrate that the SGs is leading the SAL project. The new SAL project head, Michio Hosoya, who reports to Nikolai Khlebnikov, SGs Director of Technical Support, gave the SAL project status presentation. The project involves the development of a comprehensive plan that addresses legal, staffing, engineering, infrastructure, safety, security, and equipment issues. The project priorities in order are, procurement of an ultra-high sensitivity secondary ion mass spectrometer (UHS SIMS), replacement of the existing SIMS with one of a similar generation, detailed planning for upgrade or replacement of the SAL facilities (notably the nuclear materials laboratory), and expansion of the Network of Analytical Laboratories (NWALs) for the analysis of nuclear and environmental samples.

Two additional SAL presentations included the SGs' project to evaluate the expansion of the NWAL for nuclear materials samples and the status of SGs' environmental sampling evaluation methodologies.

Stephen LaMontagne, SSTS, presented information about DOE/NA-24's Next Generation Safeguards Initiative (NGSI). The IAEA will be grateful for any additional safeguards-related support the U.S. can give through NGSI and requested that the support be coordinated through existing U.S. and IAEA mechanisms. SGs plans to send representatives to the NGSI international workshop planned for early September.

New and continuing IAEA projects will require USSP support. Most notable is the Japan MOX fuel facility (JMOX) project, in which Japan will pay for half of a projected 26M euros cost. The IAEA plans to share the other half with the MSSPs. On-going USSP projects for which additional funding is needed include new instrumentation for the Chernobyl facility, the next generation surveillance system, and spent fuel and enrichment process monitoring.

The IAEA thanked the USSP for provision of the junior professional officers (JPOs) in various SGs support divisions. The USSP has approved funding for a total of twelve JPOs since 2005. Four of these JPOs will begin their IAEA assignments during the summer of 2008.

The IAEA was clearly appreciative of the sustained USSP support for equipment development, expertise, and training. The USSP-supported roadmapping workshops, which bring together IAEA customers with technology developers and suppliers, were especially heralded as an effective way for the IAEA to assess needs in a targeted area, and then systematically categorize the problems, and identify technology gaps, promising solutions, and recommended steps forward.

Both the IAEA and the USSP agreed that the annual meetings are very helpful as a mechanism for bringing each side up to date on the activities of the other. Each agreed to identify and implement steps to improve the value of the meeting and joint USSP-IAEA processes.

Staff Changes

Susan Pepper

Maryam Tatosian completed her assignment in the Information Analysis Unit in the Section for Information Collection and Analysis in the Division of Safeguards Information Management (SGIM). Maryam began her affiliation with the IAEA in 2004 as an intern. She returned to finish her degree in 2005 at Mercyhurst College, in Erie, PA, and returned to the IAEA as a consultant from Brookhaven National Laboratory in 2006. She became a Junior Professional Officer (JPO) in 2007.

Alisa Carrigan began a JPO assignment in the Information Analysis Unit in SGIM in March 2008. She holds a Ph.D. in War Studies and International Relations from King's College London, a Master of Letters in International Studies from the University of St. Andrews, Scotland, and Bachelors of Arts in Psychology and Government from Claremont McKenna College in Claremont, CA. Prior to her assignment with the IAEA Alisa was a post-doctoral fellow at Stanford University's Center for International Security and Cooperation.

James Garner began a JPO assignment with the Verification Business Unit in the Section for Information Architecture and Projects in SGIM. Jim was an intern with the IAEA's JNFL Project Team in 2005-2006. He has a M.S. in Computer Science, an MBA in General Business, and a B.S. in Mechanical Engineering from Washington University in St. Louis, MO, and a B.A. in Physics from Kenyon College. As a JPO, Jim will assist with the installation, configuration and maintenance of the Integrated Inspector Information System at the Rokkasho Reprocessing Plant.

Susan Kane began a JPO assignment in the Division of Safeguards Technical Support (SGTS) Section for Attended and Unattended NDA in June. She will assist with numerical simulation of radiation transport, technical writing, and the detection and measurement of ionizing radiation. Susan has a M.S. in Nuclear Engineering from MIT and a B.S. in Engineering Physics and Nuclear Engineering from Rensselaer Polytechnic Institute. Prior to her IAEA assignment she was employed by Canberra Industries.

Lee ReFalo completed his cost-free expert (CFE) position in SGTS Section for Surveillance, Seals and Remote Monitoring in July. Lee worked with the IAEA for six years and was instrumental in making remote monitoring a routinely implemented safeguards tool. Upon completion of his assignment, Lee returned to Savannah River National Laboratory where he was employed prior to working with the IAEA.

Ryszard Zarucki was appointed to be the Unit Head of the Information Analysis Unit. Ryszard was formerly an inspector in Operations A. He replaces John Lepingwell who has moved to Operations A.

Michio Hosoya has been assigned to head the SAL Upgrade Project and reports to Nikolai Khlebnikov, Director, SGTS. Michio was formerly an inspector in Operations B and served as the Head of the Toronto Regional Office.

Former USSP CFE Bernard Wishard has been assigned to the Seals Unit as the Unit Head. Bernie was previously the Unit Head of the Project Engineering Unit and was the Acting Section Head for Attended and Unattended Monitoring prior to that position being filled by Mark Pickrell.

Cesare Liguori has been assigned to the Project Engineering Unit as the Unit Head. Cesare was previously the Unit Head of the Unattended Monitoring Systems Unit and was the Acting Unit Head of the Seals Unit.

Vladimir Ryzhikov retired from the IAEA in July. Vladimir held various positions in the Department of Safeguards during his tenure. His most recent position was as the Unit Head of the Resident Non-Destructive Assay Unit. He will soon be returning to the Training Section for a six-month consultancy.

George Weeks left the IAEA at the end of January. George was the Unit Head of the Seals Unit. He returned to Savannah River National Laboratory where he was employed prior to his IAEA assignment.

Snezana Konecni arrived in June. She is on leave from Los Alamos National Laboratory. "Zana" is working in the Planning Coordination Unit in SGTS where she evaluates the performance and acceptance of all safeguards equipment; identifies critical, obsolete, and problem components; and coordinates equipment procurement planning.

Catherine Mansoux joined the Support Programme Coordination Unit in April. She is managing all SGTS and Operations support program projects as well as the SGIM project on environmental sampling.

Haroldo Barroso left SGCP's Training Development Unit to a new position in the SGCP Section for Process Design in August.

Ameer Pichan is Acting Section Head of SGIM's Customer Services and Operations Section since Jerry Barton retired in March.

Joanna Gorwitz left the SGTS Seals Unit in May to return to the United States.

Roger Barnes joined the SGCP Training Section External Courses Unit in December. He was formerly in the Department of Nuclear Safety and Security from 2002 to 2004. Before joining the Training Section he worked with the U.S. Department of Homeland Security.

INMM Special Award for ISPO

Susan Pepper

ISPO received a Special Service Award from the Institute of Nuclear Materials Management (INMM) for "its contributions to international safeguards, especially the technical oversight of the U.S. Support Program to IAEA Safeguards."

Susan Pepper, head of ISPO at Brookhaven National Laboratory, and several ISPO staff members accepted the award at the INMM's 50th anniversary annual awards banquet held in July in Nashville, Tennessee. "This is a tremendous honor for ISPO," Pepper said. "This award is not about one person's efforts. ISPO's contribution to IAEA Safeguards spans 31 years and all ISPO staff from the founders to the current team share in the award." In her acceptance speech Pepper recognized her mentors Anne Reisman and John Skalyo and the original ISPO staff which included Herb Kouts, Joe Indusi, Cecil Sonnier, Ray Parsick, and Jim Lemley. She also recognized the support ISPO receives from the Subgroup on Safeguards Technical Support, which is composed of representatives from the U.S. Departments of State, Energy and Defense, and the Nuclear Regulatory Commission.

ISPO was founded in 1977 and is responsible for the technical and administrative management of the USSP. Among its significant accomplishments, ISPO started an internship program in 2002 to encourage young people to pursue careers in nuclear safeguards work. So far, 50 people have taken one-year internships in the Vienna office, and two of the interns have been hired by ISPO at Brookhaven. However, the USSP also relies on numerous contractors to provide the technical support that is provided to the IAEA and without these contractors the program would be ineffective.

October 19-25, 2008 – **IEEE Nuclear Science Symposium and Medical Imaging Conference**, Dresden, Germany.

October 22-23, 2008 - Enhanced Recruitment for International Safeguards, Upton, NY (BNL) (www.bnl.gov/ispo/events.asp).

October 24-25, 2008 – **Special Focus Workshop! Stand-off Detection Techniques for Radiological and Nuclear Sources, Dresden, Germany.** (<http://www.nss-mic.org/2008/public/workshops.html>).

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 – **Society of Women Engineers National Conference**, Baltimore, Maryland.

November 3-7, 2008 – **International Workshop on Gamma Spectroscopy Analysis Codes for U and Pu Isotopes**, Oak Ridge, TN. (www.inmm.org/events/gamma)

November 9-13, 2008 – **American Nuclear Society Winter Meeting**, Reno, Nevada.

Upcoming Meetings

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).