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TOPICS IN THIS ISSUE

BROOKHAVEN NATIONAL LABORATORY

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

Recruitment for the Department of Safeguards

Donna Occhiogrosso

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

Senior Safeguards Analyst (P-5)
Section for Statistical Analysis
Division of Concepts and Planning
Vacancy Notice No. 2005/082
Deadline: January 24, 2006
Published Salary: $98,000

Unit Head (P-5)
Section for NDA Systems & Seals
Division of Technical Support
Vacancy Notice No. 2005/083
Deadline: January 24, 2006
Published Salary: $98,000

SG Technology Specialist (P-3)
Division of Technical Support
Vacancy Notice No. 2006/900
Deadline: March 02, 2006
Published Salary: $69,000

Senior Training Officer (P-4)
Section for SG Training
Division of Technical Support
Vacancy Notice No. 2006/002
Deadline: March 08, 2006
Published Salary: $83,000

SG Data Analyst (P-4)
Section for Statistical Analysis
Division of Concepts & Planning
Vacancy Notice No. 2006/901
Deadline: March 17, 2006
Published Salary: $83,000

Remote Monitoring Engineer (P-4)
Section for Installed Systems
Division of Technical Support
Vacancy Notice No. 2006/007
Deadline: March 20, 2006
Published Salary: $83,000

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.

05/SAL-001 Expert - SALIMS Upgrade Project Leader (P4)

05/TIE-006 Expert - Unattended Monitoring System Engineer (P5)

Country Clearance Cable (CCC) Instructions for POTAS Travel

Debra Pettit

There has been some confusion in the past regarding the creation of a POTAS Country Clearance Cable request in the National Nuclear Security Administration Travel Information System (NNTIS). What follows is a list of basic instructions that should make this task less confusing:

- When creating the Travel Request (TR) in the NNTIS, you must select "Vienna-Austria-IAEA" as the destination, and "POTAS" as the primary project.

- After your TR has been approved, select the "New CCC" tab to continue. You must select "Austria-POTAS-IAEA" from the drop-down list under TEMPLATE.

- Click on "Auto-Calc Fields" and do not change any information that populates the fields. This information is accurate and is needed for the proper routing of the CCC.

- Under "Purpose of Travel" (#2), please provide a brief summary of the reason for the travel. The two statements *"Funding for this travel has been approved by the SSTS."* and *"This work is being performed under POTAS Task # ? ."* should be the last two sentences in this section. The correct POTAS Task Number under which the traveler is performing the work must be included.

- For the "Points of Contact" (#3), list the name, affiliation, and phone number for the day contact, and the lodging name and phone number for the evening contact.

- The "Proposed Itinerary" (#4) should start with the date the traveler arrives in-country and list the itinerary for their entire trip up to the date they depart. If personal time is used, indicate the date(s) with the comment "personal day(s)".

Sample itinerary:

01/22/2006: Traveler arrives in Vienna.
01/23 – 1/27/2006: Traveler works as consultant at the IAEA.
01/28 – 01/29/2006: Weekend – personal time.
01/30/2006: Traveler departs Vienna for the U.S.

NNTIS website address:

https://nnsa-server.ornl.gov/Travel

If you have any questions concerning any part of this process, please feel free to contact: Debra Pettit at pettit@bnl.gov or 631-344-2221.

IAEA Workshop on Information Analysis

Jake Blackford

The IAEA's Division of Safeguards Information Technology (SGIT) held a three-day technical workshop from November 29 to December 1 entitled: "Enhancing Our Information Analysis Architecture." The workshop was organized by U.S. cost-free expert John Hilliard. It brought together experts from eight Member States to discuss all aspects of software tools for supporting information analysis. The goal of the workshop was to provide the IAEA with a roadmap to enhance its information analysis tools architecture, a project called n-Vision. The experts worked closely with two SGIT teams, information technology and information analysis, to get a better understanding of the Agency's needs and challenges in information analysis.

The U.S. Support Program provided experts from the private sector and the national laboratories to act as participants and presenters. Mark Maybury (MITRE Corporation) made a presentation on open source analysis tools. Thomas Chiginsky (Azura Media) addressed collaboration and dissemination. Nabeel Rahal (Sandia National Laboratories) spoke on Analytical Environments and Information Visualization. Dave Fuess (Lawrence Livermore National Laboratory) discussed Deep and Invisible Web Mining. Doug Vogt and George Anzelon (LLNL) also participated in the workshop.

Since the workshop, the IAEA has purchased a variety of information analysis tools to address these challenges. They are preparing implementation plans for these tools in areas such as entity extraction, link analysis, advanced machine translation, and federated searching.

American Nuclear Society
Nuclear Technology Expo 2005

Donna Occhiogrosso

Donna Occhiogrosso and Debra Pettit of the International Safeguards Project Office attended

the ANS Nuclear Technology Expo in Washington, DC, November 13-15, 2005. The tradeshow proved to be very successful. Eleven new vendors participated as exhibitors in the Expo, along with a marked increase in the number of attendees from the previous year.

This year ISPO obtained a booth in collaboration with Paola Luchi (Staffing Management Officer of the United Nations Employment Information and Assistance Bureau of International Organization Affairs of the Department of State) and Catherine Nielsen (Program Coordinator for Argonne National Laboratory/International Nuclear Technology Liaison Office). Catherine and Paola assisted in the effort to recruit well qualified US citizens to obtain positions at the IAEA with a main focus on Non-Safeguards vacancies, as well as Safeguards vacancies. Together, all hope to collaborate on future similar events in order to obtain a mutual goal of increasing the number of US citizens working at the IAEA.

Catherine and Paola both experienced beneficial and promising results from this event and will be with us again next year at the ANS Expo, being held in Albuquerque, New Mexico, in November 2006.

USSP Basic Ordering Arrangements

Susan Pepper

Since 2002, ISPO has used Basic Ordering Arrangements (BOAs) to facilitate contracting for USSP work. ISPO had BOAs in place with seven companies and used them to contract for twenty-three different USSP tasks. In 2005, the existing BOAs expired and ISPO began the process to place new BOAs.

A BOA is a contracting mechanism that allows for the preselection of a number of contractors to perform work in one, or more, generally defined subject areas. Contractors submit proposals that describe their capabilities in the subject areas and provide their labor rates in relevant labor categories. A team of ISPO staff members reviews the proposals and rates them against the criteria defined in the request for proposal. A BOA is a zero dollar contract that is placed with the expectation, but not the promise, of future work. Companies that have BOAs with ISPO still have to present proposals for any desired work so that ISPO and the IAEA can ensure that they understand the task and that they plan to approach it in an appropriate manner. Moreover, more than one company may be given the opportunity to bid on a given request from the IAEA, putting BOA companies in competition with each other. ISPO will do its best to ensure that USSP tasks are fairly distributed among the BOA companies, but the actual task orders placed under the BOAs will be dependent on the subject areas required by the IAEA and the expertise of the companies. The main benefit of the BOA system is a shorter time from funding approval to finalization of the contract. With a BOA in place, a contract can be placed in as little as one month.

In 2002, ISPO placed BOAs for various aspects of engineering services. In 2005, the subject areas were expanded to include analytical services, as well as engineering services. The subject areas included in the 2005 request for proposal include the following:

International Safeguards Equipment
Project Management Support
Equip/System Design Development
Management Consulting
Procedure Development Technology Tasks
Performance Based Training
Equipment Testing
Feasibility/Safeguards Technology
Open Source Information Collection/Analysis
Cost Benefit Analysis
Safeguards Studies, Technical Writing
Environmental/Destructive Sample Analysis

ISPO received twenty-two proposals. The ISPO review panel evaluated the companies' technical capabilities, experience, and management infrastructure. The review process resulted in the selection of eighteen companies to perform work for the USSP in the various subject areas. A complete listing of companies and the subject areas for which they are preselected to perform USSP work is provided on page 6 of this newsletter.

The primary opportunity for BOA companies is to perform work directly for the IAEA under funding from the USSP. This will involve responding to IAEA requests by providing proposals to ISPO. An ISPO task monitor is assigned to each task and will contact companies to request proposals. The task

monitor usually sets a deadline for proposals. Once the proposals are received, ISPO reviews them and provides them to the IAEA task officer for review. Once the review is complete, ISPO presents the IAEA request along with the proposals to the Subgroup on Safeguards Technical Support (SSTS) and makes a recommendation regarding funding the task. Once funding is approved, a contract can be placed through Brookhaven National Laboratory.

A second opportunity for BOA companies exists. In addition to working with the private sector, ISPO works with a number of U.S. Department of Energy national laboratories. The national laboratories are invited to respond to IAEA requests, subject to U.S. noncompetition laws.[1] The national laboratories are encouraged to team with private sector organizations, whenever appropriate, to enhance the success of the task or the value of the product. When the SSTS funds a national laboratory/private sector team that includes a BOA company, ISPO will assist with the contracting under the BOA mechanism to facilitate the process for both organizations.

In order to make sure the IAEA understands the capabilities of these companies, ISPO hopes to have a trade show in Vienna, Austria, in conjunction with our 2006 USSP Annual Review Meeting during the week of June 5, 2006. The trade show would be open to the national laboratories and other organizations. It would give the companies the opportunity to talk with IAEA representatives and demonstrate their products and capabilities. ISPO is in the process of planning this trade show with the IAEA. For information, please contact Susan Pepper at pepper@bnl.gov or Barbara Hoffheins at hoffheins@bnl.gov.

Upcoming Meetings

Susan Pepper

The following meetings and events will take place during 2006:

USSP-IAEA Intern Symposium, Vienna, February 22, 2006 - The Intern Symposium provides an opportunity for interns working in the Department of Safeguards to present their work. Each intern will give a fifteen-minute presentation, followed by a five minute question and answer period. One of the USSP-sponsored interns will be selected by the a team of judges to present his or her work at the INMM Annual Meeting in Nashville, Tennessee, in July 2006.

USSP Annual Task Review, Vienna, February 23 and 24, 2006 - In preparation for the USSP Annual Meeting, ISPO and the IAEA will meet in February to review the status of all the active tasks sponsored by the USSP. Contractors are welcome to submit information or questions to be addressed at this meeting.

USSP Annual Review Meeting, Vienna, June 5-9, 2006 – The SSTS and ISPO will meet with the IAEA Department of Safeguards to review the significant USSP projects and to review IAEA plans for future technical development. USSP contractors are welcome to attend this meeting at their own expense. For information contact Susan Pepper at pepper@bnl.gov.

IAEA Safeguards Symposium, Vienna, October 16-20, 2006 - The IAEA holds a Safeguards Symposium periodically for the presentation and discussion of topics of current interest. Information regarding the IAEA's Safeguards Symposium is available at www.bnl.gov/ispo/IAEASymposium or by contacting Debra Pettit at pettit@bnl.gov. Abstracts for papers and posters are due by April 15, 2006. As in the past, ISPO and the SSTS will be coordinating abstract submission and attendance for U.S. participants. Procedures for abstract submission will be announced by ISPO following the February 2 SSTS meeting,

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Staff Changes at the IAEA

Susan Pepper

Michael Ehinger completed his CFE assignment with the JNFL Project in the Division of Operations A in December 2005. Mr. Ehinger worked with the JNFL Project since November 1999. He was responsible for managing the design, production, installation, and testing of

[1] As noted in SSTS Policy Statement 1, the national laboratories are not allowed to compete with the private sector. ISPO and the SSTS are mindful of this law and follow the SSTS policy to ensure proper contractor selection.

the solution monitoring system for the Rokkasho Reprocessing Plant. Mr. Ehinger returned to Oak Ridge National Laboratory, where he was employed prior to his IAEA assignment.

Keith Tolk completed his CFE assignment with the Section for NDA and Seals in the Division of Safeguards Technical Support in December 2005. Dr. Tolk assisted the Department of Safeguards with securing its instruments and data since July 2001. He contributed to most of the major projects implemented by the IAEA, such as the JNFL Project and the installation of systems at Chernobyl, as well as assisting the IAEA is establishing its security policies. Dr.Tolk returned to Sandia National Laboratories, where he was employed prior to his IAEA assignment.

Vladimir Ryzhikov was selected to be the Unit Head for NDA Systems in the Section for NDA and Seals, in the Division of Technical Support. This position was formerly held by Gene Bosler. Mr. Ryzhikov worked previously in the Section for Safeguards Training, as the resident NDA expert.

Chris Eldridge joined the IAEA Department of Safeguards on September 5. He is working in the Information Analysis Unit. Mr. Eldridge formerly worked with the U.S. National Academy of Sciences in Nonproliferation Programs.

ISPO BOA Categories and Companies

International Safeguards Equipment
Aquila
AWST
BIL Solutions
E2 Consulting Engineers
SAIC
Security Enterprises
Sonalysts

Project Management Support
AWST
BIL
SAIC
Sonalysts
Washington Group International (WGI)
Quanterion

Equip/System Design Development
Aquila
AWST
BIL
SAIC
Sonalysts
Quanterion
Westinghouse

Management Consulting
AWST
Kellogg, Brown & Root (KBR)
Organizational Analysis Corp. (OAC)
SAIC
Time Solutions
Wyle
Quanterion

Procedure Development Tech. Tasks
BIL
SAIC
Sonalysts
Trinity
WGI

Performance Based Training
BIL
OAC
Quanterion
Sonalysts
WGI

Equipment Testing
Wyle

Feasibility/Safeguards Technology
Aquila
KBR
Sonalysts
SAIC
Quanterion

Open Source Information Collection/Analysis
Information International Associates
SAIC
Research Application Corporation

Cost Benefit Analysis
Aquila
Paradigm
SAIC
Trinity

Safeguards Studies, Technical Writing
KBR
SAIC
Sonalysts
Trinity

Environmental/Destructive Sample Analysis
KBR