50 Years of HOTLAB Working Group

A. Leenaers
The working group "Hot laboratories and remote handling" aims at being a global contact forum to all kinds of nuclear services. The objectives of our yearly meeting are:

- the exchange of experience in analytical methods, their implementation in hot cells, to discuss the methodologies, and their applications in nuclear materials research

**Session PIE**

- to share know-how on exploitation matters of common infrastructure, such as remote handling techniques, safety features, waste handling, validation and quality assurance

**Session Infrastructure, Safety and Waste**

- to seek solutions for safe, economic national and international transportation, licensing and regulation issues

**Session transportation and licensing**
Scope

• to promote co-operation and mutual support

• to discuss the present and future demands of the nuclear industry, and to draw strategic conclusions regarding further facility requirements.
History

1963 : The first committee meeting of the working group Hot Laboratories (Comite d'Edute des Laboratoires Chauds) was held in Cadarache (France). The committee consisted of a small group of experts mostly managers but also engineers and scientists from various laboratories in Europe. A yearly symposium on the 'Hot Laboratories' was organized by the Commission of the European Communities.

1978 : The working group got his current name "Laboratoires chauds et telemanipulation" or "Hot Laboratories and remote handling".

1995 : The guardianship of the European Commission, under which these meetings were organized, ceased. The provisional program committee decided to continue the working group on an independent voluntary basis.
1963-2006

The travels of the European Working group
2004:
The HOTLAB project, a coordination action (18 months) sponsored by the 6th Euratom Framework program. -> PIE and transportation cask database

2007:
Recognizing the increasing number of programs organized on a global basis, it was decided to open the Working Group to non-European countries.

The working group’s email listing currently contains over 300 contacts addresses of nuclear facilities in 38 countries:

   Algeria, Argentina, Australia, Belgium, Brazil, Bulgaria, Canada, China, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, India, Indonesia, Israel, Italy, Japan, Kazakhstan, Korea, Lithuania, Libya, Morocco, Mexico, Norway, Poland, Portugal, Romania, Russia, South Africa, Spain, Sweden, Switzerland, The Netherlands, UK, USA and also IAEA+OECD

But we have room for many more …
2007:

Following an agreement with the IAEA, the HOTLAB PIE and transport casks catalogue, were integrated in the IAEA PIE Database. The merged data are kept at the iNFCIS website [http://infcis.iaea.org/PIE/PIEMain.asp](http://infcis.iaea.org/PIE/PIEMain.asp) and are jointly managed by the IAEA and the HOTLAB working group.
2009:

- The international HOTLAB working group request for a cost effective solution for transporting small quantities of irradiated material: The Flying Pig

- A joined project between CEA (France), IFE (Norway), INL (USA), ITU (EC, Germany), NNL (UK), NRG (The Netherlands), PSI (Switzerland), RIAR (Russia), SCK-CEN (Belgium), Studsvik (Sweden)
2011:
Combined IAEA TM/ HOTLAB meeting

- The meeting highlights the growing deficiency of trained professional staff and irradiation/PIE facilities able to carry out nuclear fuel and materials at necessary level.

- It was recommended that IAEA facilitates collaboration of national R&D centers in possible forms of coalitions, centers of excellence and user facilities, aiming at more efficient utilization of facilities and harmonization of material testing/irradiation/ PIE methodologies and practices.

IAEA in-cooperation support for HOTLAB 2013
2007-2013
The travels of the International Working group
2007-2013
The travels of the International Working group
Petten 1995 : 45 participants
Studsvik 1997 : 56 participants
Saclay 2003 : 46 participants
Halden 2004: 46 participants
Bucharest 2007 : 55 participants
Kendal 2008: 69 participants
Dimitrovgrad 2010 : 71 participants
Marcoule 2012 : 102 participants
Idaho Falls 2013 : 104 participants
Kennedy, Frank
Following a diagnosis of advanced cancer a short 8 weeks ago, on July 23, 2013 my journey ended peacefully in my home surrounded by the intense love and gentle care of my incredible family and friends.
Thank you

Our Host:
Adam Robinson
Heather Chichester MacLean
Tandy Bales
Barbara Taylor

Our sponsors:
Merrick & Company
Premier Technology, Inc.
Awards

For best presentation:

Kozo Katsuyama (JAEA)

For best poster:

Radim Kopriva (Rez)
Our host: