



Agenda GammaSem 2010

Tuesday 28th of September

09.00 - 09.30 **Registration and coffee**

09.30 - 09.35 **Opening of GammaSem 2010 by Brit Farstad,**
Research Director, Nuclear Safety and Reliability, Institute for Energy Technology

09.35 - 09.40 **Practical information**

09.40 - 10.40 **Lars-Erik De Geer,** Swedish Defence Research Agency
True Coincidences and a Decent Currie

10.40 - 11.00 **Open discussion**

11.00 - 11.20 **Jarmo Ala-Heikkilä,** Aalto University School of Science and Technology,
Finland
*Expert System SHAMAN and Comparison of its Coincidence Correction to
KORSUM*

11.20 - 11.40 **Henrik Jäderström,** Canberra Solutions
Cascade Summing Corrections with Genie-2000

11.40 - 12.40 **Lunch**

12.40 - 13.00 **Rajdeep Sidhu,** Institute for Energy Technology, Norway
*A summary from the ALMERA workshop on coincidence summing and
geometry correction in gamma ray spectrometry*

13.00 - 13.20 **Vikas Barnawal,** Norwegian Geological Survey
Geological mapping using airborne gamma ray spectrometry

13.20 - 13.40 **Robin Watson,** Norwegian Geological Survey
*Mobile gamma ray spectrometry and the efficiency of real-time data
processing in describing the natural background signal and highlighting
anthropogenic nuclides*

13.40 - 14.00 **Helle Karina Aage,** Danish Emergency Management Agency, BRS
Uncertainties in mobile gamma spectrometry

14.00 - 14.20 **Coffee and fruit**

- 14.20 - 14.40 **Ari-Pekka Leppänen**, Radiation and Nuclear Safety Authority, Finland.
Aspects affecting low-background measurements
- 14.40 - 15.00 **Pertti Aarnio**, Aalto University, Department of Applied Physics, Finland
LINSSI - Relational Database for Gamma-Ray Spectrometry
- 15.00 - 15.20 **Robin Watson**, Norwegian Geological Survey
Hand-held gamma spectrometry for assessing radon risk from building aggregates
- 15.20 - 15.40 **Sigurður Emil Pálsson**, Icelandic Radiation Safety Authority
International co-operation on the analysis of gamma spectra for malevolent radiological situations: NKS-MALRAD and testing the international use of the US TRIAGE system.
- 15.40 - 16.00 **Open discussion**
- 18.00 **Joint GammaSem Dinner**
Restaurant Sangliers, Lillestrøm

Wednesday 29th of September

- 09.00 - 09.20 **Coffee and fruit**
- 09.20 - 09.40 **Henrik Ramebäck**, Swedish Defence Research Agency
Gamma spectrometric measurement of nuclear materials
- 09.40 - 10.00 **Elin Enger**, Norwegian Defence Research Establishment
Analysis of samples containing a mixture of biological, chemical, and radiological agents ("mixed samples")
- 10.00 - 10.20 **Naeem Ul Hasan Syed**, Norwegian Radiation Protection Authority
Verification of fissile materials
- 10.20 - 10.40 **Per Roos**, National Laboratory for Sustainable Energy at the Technical University of Denmark
Pu Lx spectroscopy in the presence of other radioisotopes
- 10.40 - 11.00 **Open discussion**
- 11.00 - 12.00 **Lunch**



- 12.00 - 12.20 **Sigurður Emil Pálsson**, Icelandic Radiation Safety Authority
Report on GammaWiki as a source of information on gamma spectrometry
- 12.20 - 12.40 **Elisabeth Strålberg**, Institute for Energy Technology, Norway
Report from GammaSem 2009 Working Group on true coincidence summing corrections
- 12.40 - 13.00 **Henrik Ramebäck**, Swedish Defence Research Agency
Report from GammaSem 2009 Working Group on uncertainties and detection limits
- 13.00 - 13.20 **Coffee and fruit**
- 13.20 - 15.00 **General discussion**
Evaluation of GammaSem 2010 and the WG concept – reporting and future work
- 15.00 **End of seminar**