

2456-1

Joint ICTP-IAEA Workshop on Advances in Digital Spectroscopy

6 - 10 May 2013

Opening Remarks

I. Darby
*IAEA, Vienna
Austria*

Joint IAEA-ICTP Workshop on Advances in Digital Spectroscopy

organized by

Nuclear Spectrometry & Applications Laboratory
(IAEA-NAPC/PS/ **NSAL**)

Multidisciplinary Laboratory (Mlab)



IAEA

International Atomic Energy Agency

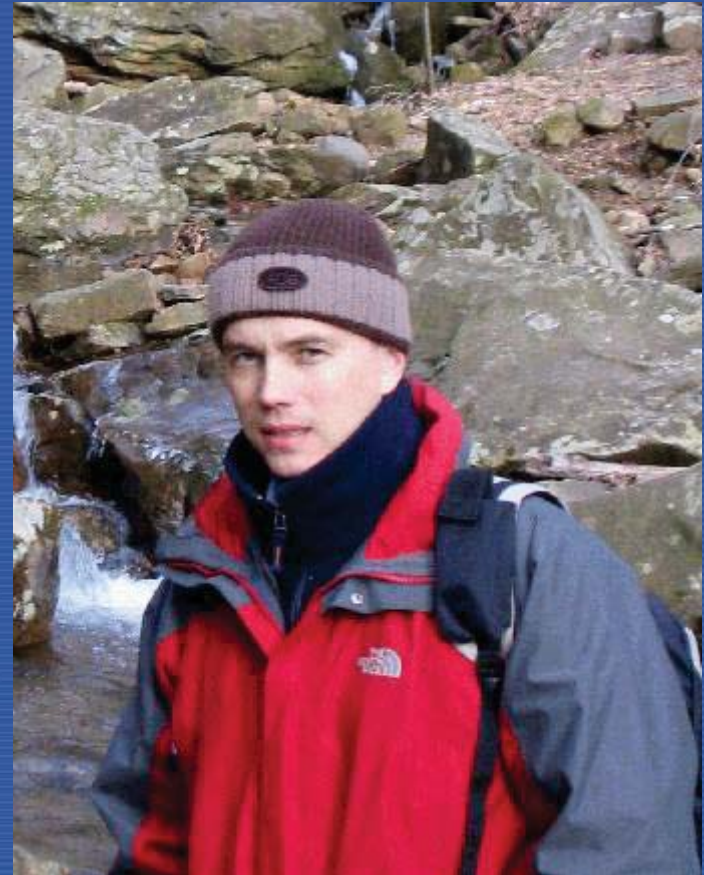
Prof Joe Niemela (Local Organizer)

- Head of MLab
- Fluid dynamics
- Low-temperature physics
- Optics and lasers
- Science education



Prof Robert Grzywacz (Co-Director)

- University of Tennessee
- Oak Ridge National Lab
- Rare isotopes
- Radioactive Ion Beam
- Alpha, Beta, Gamma, Neutron spectroscopy



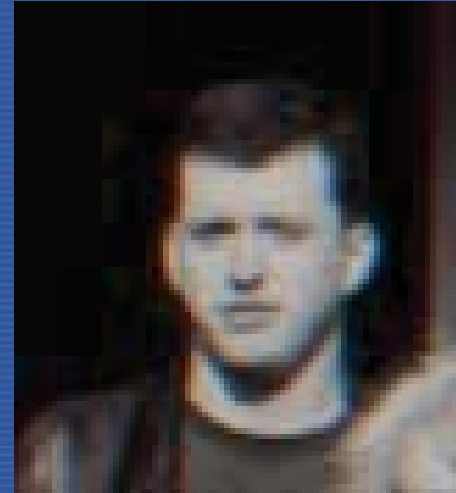
Ing Mladen Bogovac

- NSAL Instrumentation Specialist
- Digital Pulse Processing
- Technical support to developing nations
- m.bogovac@iaea.org



Dr Paul Campbell

- University of Manchester
- Laser Ionization
- Rare isotope manipulation
- Microprocessors



Dr Ren Cooper

- Lawrence Berkeley National Laboratory
- Applied Nuclear Physics
- Gamma-Ray Imaging
- rjcooper@lbl.gov



Dr Laura Harkness

- University of Liverpool
- Gamma ray imaging
- Detectors
- Simulations



Dr Maria Liz Crespo

- MLab Research Officer
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- X-ray physics



Andres Cicuttin

- Technical Assistant
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Ing Frantisek Krejci

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- Czech technical University
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Ing Jan Zemlicka

- Institute of experimental and applied physics
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Vladimir Gribkov

- Institute of Theoretical and Experimental Physics (Itep)
- Moscow
- Plasma Physics



Maryna Chernyshova

- Institute of Plasma Physics and Laser Microfusion
- Plasma physics



Dr Iain Darby (Director)

- NSAL Electronics Group Leader
- Low Energy Experimental Nuclear Physicist
- Detectors, DAQ
- In-situ techniques
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- skype: nsal.mobile



Aims of the Workshop

- To provide you with the opportunity and experience of using digital techniques in a range of applications
- To give you exposure to **some** solutions
- To give you the opportunity to use cutting edge equipment
- To give you the opportunity to discuss how these methods and equipment might apply to your own needs.



What this workshop will not do

- It will not make you a Digital Signals expert
- It will not make you an expert in X-ray, Gamma-ray and neutron spectroscopy
- ...but it will, hopefully, expose you to new or different ways of working in these topics.



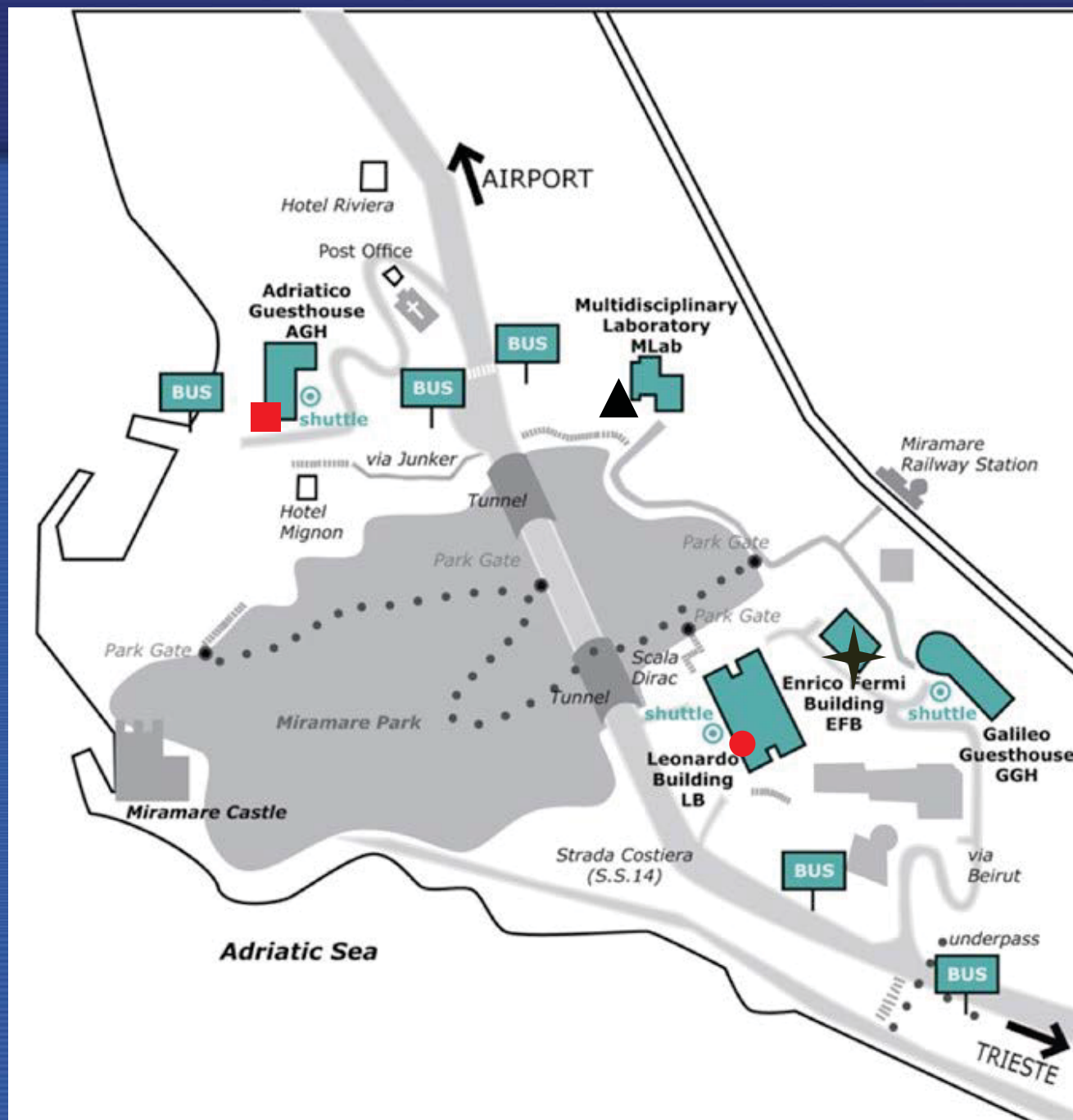
How this event works

- This is a practical workshop
 - small group work
 - be friendly to your colleagues.
- Requires your active (not passive) involvement
- **Be on time**
- Be careful
 - we are going to use sensitive equipment and radiation
 - listen to and follow instructions
- Ask Questions! Ask for Help!



Map

- Euler LB:
Mon (am)
Tues (pm)
Fri (16h30)
- Eklund lab AGH:
Mon (pm)
Tues (am)
- ▲ MLab:
Tues (17h – 19h)
Wed, Thurs, Fri



Evening and Social

Monday: Welcome reception

Wednesday: Visit to Castello Di San Giusto

Thursday: Presentation by Mr Gabor La Franco, Canberra
with Ice Cream



#digispec, tweet, post pictures

