

# 4th Annual ARDENT Workshop



## Report of Contributions

Contribution ID: 3

Type: **not specified**

## **Eleni AZA (ESR 1)**

*Monday, 22 June 2015 14:30 (25 minutes)*

**Primary author:** AZA, Eleni (CERN)

**Presenter:** AZA, Eleni (CERN)

**Session Classification:** ESRs presentations

Contribution ID: 4

Type: **not specified**

## **Erik Frojd (ESR 2)**

*Monday, 22 June 2015 14:55 (25 minutes)*

**Co-author:** FROJD, Erik (Mittuniversitetet (SE))

**Presenter:** FROJD, Erik (Mittuniversitetet (SE))

**Session Classification:** ESRs presentations

Contribution ID: 5

Type: **not specified**

## **Silvia Puddu (ESR 3)**

**Primary author:** PUDDU, Silvia (CERN)

**Presenter:** PUDDU, Silvia (CERN)

Contribution ID: 6

Type: **not specified**

## Stuart George (ESR 4)

*Monday, 22 June 2015 15:20 (25 minutes)*

**Primary author:** GEORGE, Stuart Patrick (CERN)

**Presenter:** GEORGE, Stuart Patrick (CERN)

**Session Classification:** ESRs presentations

Contribution ID: 7

Type: **not specified**

## **Jayasimha Bagalkote (ESR 5)**

*Monday, 22 June 2015 15:45 (25 minutes)*

**Primary author:** BAGALKOTE, Jayasimha

**Presenter:** BAGALKOTE, Jayasimha

**Session Classification:** ESRs presentations

Contribution ID: 8

Type: **not specified**

## **Andrej Sipaj (ESR 6)**

**Presenter:** SIPAJ, Andrej

Contribution ID: 9

Type: **not specified**

## Ivan Caicedo Sierra (ESR 7)

*Monday, 22 June 2015 16:40 (25 minutes)*

**Primary author:** CAICEDO SIERRA, Ivan Dario (Czech Technical University (CZ))

**Presenter:** CAICEDO SIERRA, Ivan

**Session Classification:** ESRs presentations



Contribution ID: **10**

Type: **not specified**

## **Kevin Loo (ESR 8)**

*Monday, 22 June 2015 17:05 (25 minutes)*

**Primary author:** LOO, Kevin Jia-Jin

**Presenter:** LOO, Kevin Jia-Jin

**Session Classification:** ESRs presentations

Contribution ID: 11

Type: **not specified**

## **Benedikt Bergmann (ESR 9)**

*Monday, 22 June 2015 17:30 (25 minutes)*

**Primary author:** BERGMANN, Benedikt Ludwig (Czech Technical University (CZ))

**Presenter:** BERGMANN, Benedikt Ludwig (Czech Technical University (CZ))

**Session Classification:** ESRs presentations

Contribution ID: 12

Type: **not specified**

## Francesca Bisello (ESR 10)

*Tuesday, 23 June 2015 09:00 (25 minutes)*

**Primary author:** Mrs BISELLO, Francesca

**Presenter:** Mrs BISELLO, Francesca

**Session Classification:** ESRs presentations

Contribution ID: 13

Type: **not specified**

## **Michele Togno (ESR 11)**

*Tuesday, 23 June 2015 09:25 (25 minutes)*

**Primary author:** TOGNO, Michele

**Presenter:** TOGNO, Michele

**Session Classification:** ESRs presentations

Contribution ID: 14

Type: **not specified**

## **Vijayaragavan Viswanathan (ESR 12)**

*Tuesday, 23 June 2015 09:50 (25 minutes)*

**Primary author:** Dr VISWANATHAN, Vijayaragavan

**Presenter:** Dr VISWANATHAN, Vijayaragavan

**Session Classification:** ESRs presentations

Contribution ID: 15

Type: **not specified**

## **Alvin Sashala Naik (ESR 13)**

*Tuesday, 23 June 2015 10:15 (25 minutes)*

**Primary author:** SASHALA NAIK, Alvin

**Presenter:** SASHALA NAIK, Alvin

**Session Classification:** ESRs presentations

Contribution ID: 16

Type: **not specified**

## **Eleni Sagia (ESR 14)**

*Tuesday, 23 June 2015 11:10 (25 minutes)*

**Primary author:** SAGIA, Elena (National Technical Univ. of Athens (GR))

**Presenter:** SAGIA, Elena (National Technical Univ. of Athens (GR))

**Session Classification:** ESRs presentations

Contribution ID: 17

Type: **not specified**

## **Chris Cassel (ESR 15)**

*Tuesday, 23 June 2015 11:35 (25 minutes)*

**Primary author:** CASSELL, Christopher (P)

**Presenter:** CASSELL, Christopher (P)

**Session Classification:** ESRs presentations



Contribution ID: 19

Type: **not specified**

# 1. Neutron sources (isotopic, accelerators, reactors, photoneutrons)

*Wednesday, 24 June 2015 09:00 (1 hour)*

**Presenter:** GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

**Session Classification:** Training Course

Contribution ID: 31

Type: **not specified**

## Visit of the Nuclear Physics Institute

*Friday, 26 June 2015 09:00 (5 hours)*

Visit of three facilities, 40 minutes each

- Divide into 4 groups to visit the following:

- 1) LVR-15 reactor, tandetron, gamma spectroscopy lab
- 2) LR-0 reactor, cyclotron, radiopharmaceutical lab
- 3) Tandetron, LVR-15 reactor, neutron material research channels
- 4) Gamma spectroscopy lab, LR-0 reactor, tandetron

Contribution ID: 32

Type: **not specified**

## **2. Interaction of neutrons with matter (with tissue, including a short recall on dosimetry quantities, and with matter as a basis of detection principles) - 1**

*Wednesday, 24 June 2015 10:00 (1 hour)*

**Presenter:** GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

**Session Classification:** Training Course

Contribution ID: 33

Type: **not specified**

### **3. Gas detectors (He-3, BF3, He-4, ionisation chambers)**

*Wednesday, 24 June 2015 13:30 (1 hour)*

**Presenter:** WAKER, Anthony

**Session Classification:** Training Course

Contribution ID: 34

Type: **not specified**

## **4. Scintillator detectors including operating principles**

*Wednesday, 24 June 2015 14:30 (1 hour)*

**Presenter:** LERCH, Michael

**Session Classification:** Training Course

Contribution ID: 35

Type: **not specified**

## 5. Moderator-type detectors (rem counters, BSS)

*Wednesday, 24 June 2015 16:00 (1 hour)*

**Presenter:** SILARI, Marco (CERN)

**Session Classification:** Training Course

Contribution ID: 36

Type: **not specified**

## **6. Passive detectors (activation detectors, bubble detectors) - part 1**

*Wednesday, 24 June 2015 17:00 (1 hour)*

**Presenter:** GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

**Session Classification:** Training Course

Contribution ID: 37

Type: **not specified**

## 7. Semiconductor detectors

*Thursday, 25 June 2015 10:00 (1 hour)*

**Presenter:** OWENS, Alan

**Session Classification:** Training Course



Contribution ID: 42

Type: **not specified**

## 9. Medipix and GEM based neutron detectors

*Thursday, 25 June 2015 13:30 (1 hour)*

**Presenter:** VYKYDAL, Zdenek (Czech Technical University (CZ))

**Session Classification:** Training Course

Contribution ID: 43

Type: **not specified**

## **10. Neutron radiobiology - 1**

*Thursday, 25 June 2015 14:30 (1 hour)*

**Presenter:** JONES, Bleddyn (Gray Insititue, Univeristy of Oxford)

**Session Classification:** Training Course

Contribution ID: 44

Type: **not specified**

## **12. Monte Carlo in neutron metrology and dosimetry**

*Thursday, 25 June 2015 17:00 (1 hour)*

**Presenter:** ROLLET, Sofia (AIT- Austrian Institute of Technology)

**Session Classification:** Training Course

Contribution ID: 45

Type: **not specified**

## **8. Neutron semiconductor detectors for clinical dosimetry applications: Fast Neutron Therapy , BNCT and out of field neutron dose in proton therapy**

*Thursday, 25 June 2015 11:30 (1 hour)*

**Presenter:** ROZENFELD, Anatoly

**Session Classification:** Training Course

Contribution ID: 46

Type: **not specified**

## **6. Passive detectors (activation detectors, nuclear track detectors, bubble detectors, TLDs) - part 2**

Contribution ID: 47

Type: **not specified**

## **2. Interaction of neutrons with matter (with tissue, including a short recall on dosimetry quantities, and with matter as a basis of detection principles) - 2**

Contribution ID: 48

Type: **not specified**

## 9. Neutron radiobiology - 2

Contribution ID: 49

Type: **not specified**

## **10. Neutron radiobiology - 2**



Contribution ID: 50

Type: **not specified**

## **SEMINAR "Radiation track: from DNA damage to cancer therapy"**

*Monday, 22 June 2015 18:00 (1 hour)*

**Presenter:** Dr DAVIDKOVA, Marie

Contribution ID: 51

Type: **not specified**

## BOAT DINNER

*Thursday, 25 June 2015 19:00 (3 hours)*

<http://www.pstours.cz/tour/t6-prague-by-night/>

Contribution ID: 52

Type: **not specified**

## **2. Interaction of neutrons with matter (with tissue, including a short recall on dosimetry quantities, and with matter as a basis of detection principles) - 2**

*Wednesday, 24 June 2015 11:30 (1 hour)*

**Presenter:** GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

**Session Classification:** Training Course

Contribution ID: 53

Type: **not specified**

## **6. Passive detectors (nuclear track detectors) - part 2**

*Thursday, 25 June 2015 09:00 (1 hour)*

**Presenters:** SASHALA NAIK, Alvin; PARRAVICINI, Antonio (M)

**Session Classification:** Training Course

Contribution ID: 54

Type: **not specified**

## **Special Seminar: Voyage of pixel detectors from particle physics through biomedical imaging up to outer space**

*Tuesday, 23 June 2015 18:00 (1 hour)*

**Presenter:** POSPISIL, Stanislav (Institute of Experimental and Applied Physics, Czech Technical University in Prague)

Contribution ID: 55

Type: **not specified**

## **Board Dinner**

*Tuesday, 23 June 2015 19:30 (2 hours)*

Contribution ID: 56

Type: **not specified**

## **Stefan Gohl (ESR 16)**

*Tuesday, 23 June 2015 12:00 (25 minutes)*

**Session Classification:** ESRs presentations

Contribution ID: 57

Type: **not specified**

## **11. Neutron radiobiology - 2**

*Thursday, 25 June 2015 16:00 (1 hour)*

**Presenter:** JONES, Bleddyn (Gray Insititue, Univeristy of Oxford)

**Session Classification:** Training Course