

# 2017 Corfu Workshop on Medical Physics & Biomedical Engineering 6 Nov - 10 Nov

**IFMP** Institute For Medical Physics & Biomedical Engineering  
Ambilly, France

**ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ**  
**ΙΟΝΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ 1984**

**BiHE Lab**

**Centre National à la Recherche Scientifique**

**CRNS**

**CORFU ISLAND, Greece**

**ORGANIZING COMMITTEE :**  
Panayiotis Vlamos, Ionio Uni. Co-Chair  
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**MEDIZINISCHE UNIVERSITÄT WIEN**

**IONIAN UNIVERSITY 6-10 November 2017**

**VARIAN** medical systems

**CLINICAL IMAGING RESEARCH CENTRE SINGAPORE**

**IEEE** Advancing Technology for Humanity

## Report of Contributions

Contribution ID: 3

Type: **not specified**

## Welcome

*Monday, 6 November 2017 13:25 (15 minutes)*

**Primary author:** DANIELA, Miladinova

**Presenter:** MILADINOVA, Daniela

**Session Classification:** First Session

Contribution ID: 4

Type: **not specified**

## **Medical Physics in Macedonia**

*Monday, 6 November 2017 13:40 (15 minutes)*

**Primary author:** SONJA, Petkovska

**Presenter:** PETKOVSKA, Sonja

**Session Classification:** First Session

Contribution ID: 5

Type: **not specified**

## Medical Imaging - Review

*Monday, 6 November 2017 13:55 (50 minutes)*

**Primary author:** Dr LEMOIGNE, Yves (TERA Foundation (IT))

**Presenter:** Dr LEMOIGNE, Yves (TERA Foundation (IT))

**Session Classification:** First Session

Contribution ID: 6

Type: **not specified**

## **Interactions of Biomedical Oscillations**

*Monday, 6 November 2017 14:45 (30 minutes)*

**Presenter:** STANKOVSKI, Tomislav

**Session Classification:** First Session

Contribution ID: 7

Type: **not specified**

## **From Model-based to Patient Specific Dosimetry in Nuclear Medicine**

*Monday, 6 November 2017 12:45 (50 minutes)*

**Presenter:** BARDIES, Manuel

**Session Classification:** Session 1: Medical Physics in Nuclear medicine

Contribution ID: 8

Type: **not specified**

## **Effective Dose Estimation and Risk**

*Monday, 6 November 2017 13:35 (30 minutes)*

**Presenter:** ZDRAVESKA, Marina

**Session Classification:** Session 1: Medical Physics in Nuclear medicine

Contribution ID: 9

Type: **not specified**

## Introduction to CT

*Monday, 6 November 2017 14:05 (30 minutes)*

**Presenter:** HAGLUND, Julie

**Session Classification:** Session 1: Medical Physics in Nuclear medicine



Contribution ID: **10**

Type: **not specified**

## **SPECT/CT Instrumentation And Clinical Applications**

*Monday, 6 November 2017 15:15 (50 minutes)*

**Presenter:** MILADINOVA, Daniela

**Session Classification:** Session 2: Medical Imaging

Contribution ID: 11

Type: **not specified**

## **Dose Optimization And Methods In MDCT**

*Monday, 6 November 2017 16:05 (30 minutes)*

**Presenter:** GERSHAN, Vesna

**Session Classification:** Session 2: Medical Imaging

Contribution ID: 12

Type: **not specified**

## **PET Principals And History**

*Tuesday, 7 November 2017 07:00 (50 minutes)*

**Presenter:** RAUSCH, Ivo

**Session Classification:** Session 3: PET & Main Applications, Chair: Sonja PETKOVSKA, ACIBADEM Sistina, Skopje

Contribution ID: 13

Type: **not specified**

## **Clinical applications of FDG in PET/CT**

*Tuesday, 7 November 2017 07:50 (50 minutes)*

**Presenter:** TALBOT, J-N

**Session Classification:** Session 3: PET & Main Applications, Chair: Sonja PETKOVSKA, ACIBADEM Sistina, Skopje

Contribution ID: 14

Type: **not specified**

## **Clinical PET CT With Other Tracers**

*Tuesday, 7 November 2017 09:15 (50 minutes)*

**Presenter:** TALBOT, J-N

**Session Classification:** Session 4: More PET Imaging Applications, Chair: Marina ZDRAVESKA-KOCEVSKA, Skopje

Contribution ID: 15

Type: **not specified**

## **Research Example By Small Animal PET**

*Tuesday, 7 November 2017 10:05 (30 minutes)*

**Presenter:** Dr LEMOIGNE, Yves (TERA Foundation (IT))

**Session Classification:** Session 4: More PET Imaging Applications, Chair: Marina ZDRAVESKA-KOCEVSKA, Skopje

Contribution ID: 16

Type: **not specified**

## **Varian - Opportunities in early diagnosis and treatment**

*Tuesday, 7 November 2017 10:35 (30 minutes)*

**Presenter:** ZOGLOPITOU, Lydia

**Session Classification:** Session 4: More PET Imaging Applications, Chair: Marina ZDRAVESKA-KOCEVSKA, Skopje

Contribution ID: 17

Type: **not specified**

## **PET Quality Control And Quantification**

*Tuesday, 7 November 2017 13:00 (50 minutes)*

**Presenter:** RAUSCH, Ivo

**Session Classification:** Session 5: PET Complements



Contribution ID: **18**

Type: **not specified**

## **PET in Norway**

*Tuesday, 7 November 2017 13:50 (30 minutes)*

**Presenter:** HAGLUND, Julie

**Session Classification:** Session 5: PET Complements

Contribution ID: 19

Type: **not specified**

## **Images in Radiotherapy CT PET/CT**

*Tuesday, 7 November 2017 14:20 (30 minutes)*

**Presenter:** PETKOVSKA, Sonja

**Session Classification:** Session 5: PET Complements

Contribution ID: 20

Type: **not specified**

## PET-MRI

*Tuesday, 7 November 2017 15:15 (1 hour)*

**Presenter:** BIDAUT, Luc

**Session Classification:** Session 6: Hybrids Systems: PET/MR ; Chair: P.R. ALTIERI, Bari University, Italy

Contribution ID: 21

Type: **not specified**

## CHERRIE

*Tuesday, 7 November 2017 16:15 (30 minutes)*

**Presenter:** VOSNIAKOS, Fokion

**Session Classification:** Session 6: Hybrids Systems: PET/MR ; Chair: P.R. ALTIERI, Bari University, Italy

Contribution ID: 22

Type: **not specified**

## General Risks with Radiation

*Wednesday, 8 November 2017 07:00 (30 minutes)*

**Presenter:** MEDVEDEC, Mario

**Session Classification:** Session 7: Radiation Protection in MP applications ; Chair: P. Le Dû, IEEE.org

Contribution ID: 23

Type: **not specified**

## **Radiation Protection Optimization Example**

*Wednesday, 8 November 2017 07:30 (30 minutes)*

**Presenter:** MEDVEDEC, Mario

**Session Classification:** Session 7: Radiation Protection in MP applications ; Chair: P. Le Dù, IEEE.org

Contribution ID: 24

Type: **not specified**

## **Patient Worker Public Radiation Protection**

*Wednesday, 8 November 2017 08:00 (50 minutes)*

**Presenter:** MEDVEDEC, Mario

**Session Classification:** Session 7: Radiation Protection in MP applications ; Chair: P. Le Dù, IEEE.org

Contribution ID: 25

Type: **not specified**

## Shielding requirements for PET/CT

*Wednesday, 8 November 2017 09:15 (30 minutes)*

**Presenter:** HAGLUND, Julie

**Session Classification:** Session 8: PET Versus HEP Transfers to Medical Physics ; Chair: Ivo Rausch, Vienna, Austria



Contribution ID: 26

Type: **not specified**

# Application of Fundamental Physics in Medicine

*Wednesday, 8 November 2017 09:45 (50 minutes)*

**Presenter:** LE DU, Patrik

**Session Classification:** Session 8: PET Versus HEP Transfers to Medical Physics ; Chair: Ivo Rausch, Vienna, Austria

Contribution ID: 27

Type: **not specified**

## Developments in PET from HEP

*Wednesday, 8 November 2017 10:35 (30 minutes)*

**Presenter:** LITOV, Leandar

**Session Classification:** Session 8: PET Versus HEP Transfers to Medical Physics ; Chair: Ivo Rausch, Vienna, Austria

Contribution ID: 28

Type: **not specified**

## **Hadrontherapy principles**

*Wednesday, 8 November 2017 13:00 (50 minutes)*

**Presenter:** ALTIERI, Palma Rita

**Session Classification:** Session 9: Use of PET in Hadrontherapy ; Chair: M. Medvedec, Zagreb, Croatia

Contribution ID: 29

Type: **not specified**

## On line dose monitoring

*Wednesday, 8 November 2017 13:50 (30 minutes)*

**Presenter:** ALTIERI, Palma Rita

**Session Classification:** Session 9: Use of PET in Hadrontherapy ; Chair: M. Medvedec, Zagreb, Croatia

Contribution ID: 30

Type: **not specified**

## **Particle Therapy - the future**

*Wednesday, 8 November 2017 14:20 (30 minutes)*

**Presenter:** LE DU, Patrik

**Session Classification:** Session 9: Use of PET in Hadrontherapy ; Chair: M. Medvedec, Zagreb, Croatia

Contribution ID: 31

Type: **not specified**

## Final Discussion

*Wednesday, 8 November 2017 15:15 (30 minutes)*

**Presenters:** PETKOVSKA, Sonja; Dr LEMOIGNE, Yves (TERA Foundation (IT))

**Session Classification:** Session 10: Open Discussion & Conclusions ; Chair: D. Miladinova & Y. Lemoigne

Contribution ID: 32

Type: **not specified**

## End of the workshop

*Wednesday, 8 November 2017 15:45 (30 minutes)*

**Session Classification:** Session 10: Open Discussion & Conclusions ; Chair: D. Miladinova & Y. Lemoigne

Contribution ID: 33

Type: **Powerpoint presentation or pdf**

## **FROM HEP TO PET/CT**

### **Summary**