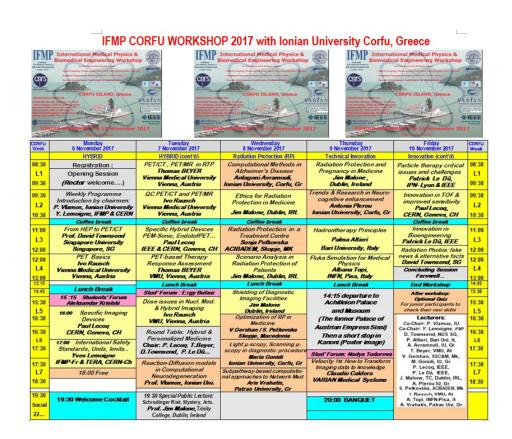
Workshop on Medical Physics & Biomedical Engineering 6-10/11/2017



Report of Contributions

Contribution ID: 1 Type: not specified

Opening session: Welcome by the Rector or his representative (Prof. Vlamos)

Monday 6 November 2017 09:00 (45 minutes)

Opening session: Welcome by the · · ·

This is the Opening Official Ceremony by the Rector of the Ionian University. Two parts:

- * Welcome by the two Co-Chairmen of the Workshop on behalf of the Organizing Committee:
- Professor Panayiotis VLAMOS (Ionian University, Corfu, Greece)
- Doctor Yves LEMOIGNE (IFMP, Ambilly, France)
 - Opening Official Ceremony by the Rector of the Ionian University.

Presenter: Prof. VLAMOS, Panayiotis (Ionian University)

Contribution ID: 2 Type: not specified

Introduction to the programme of the week

Monday 6 November 2017 09:45 (45 minutes)

Presenter: YVES, Lemoigne (IFMP)

Contribution ID: 3 Type: not specified

Lecture 1 - From HEP to PET/CT (Abstract availlable: click on the extreme right)

Monday 6 November 2017 11:00 (1 hour)

Presenter: Prof. TOWNSEND, David (Singapore National University)

Contribution ID: 4 Type: **not specified**

Lecture 2 - PET Basics

Monday 6 November 2017 12:00 (1 hour)

Presenter: RAUSCH, Ivo (Vienna Medical University (MUW))

Contribution ID: 5

Type: not specified

STUDENTS' FORUM - This period allows young colleagues to explain in a short time (15 minutes) a scientific topic they are particulary interested by. Often it is the subjet of their diploma they are working on.

Contribution ID: 6 Type: not specified

Lecture 3: Specific Imagin Devices

Monday 6 November 2017 15:59 (1 hour)

Presenter: LECOQ, Paul (Cern, geneva, Ch)

Contribution ID: 7 Type: **not specified**

Lecture 4: Understanding Radiation Units.

Monday 6 November 2017 17:00 (1 hour)

Presenter: LEMOIGNE, Yves (IFMP)

Contribution ID: 8 Type: not specified

Lecture 5 : PET/CT, PET/MR in Radiotherapy

Tuesday 7 November 2017 09:30 (1 hour)

Lecture 5 : PET/CT, PET/MR in R · · ·

Presenter: BEYER, Thomas (Vienna Medical University (MUW), Austria)

Contribution ID: 9 Type: **not specified**

Lecture 6: Quality Control for PET/CT and PET/MR

Tuesday 7 November 2017 08:30 (1 hour)

Lecture 6: Quality Control for PE · · ·

Presenter: RAUSCH, Ivo (Vienna Medical University (MUW), Austria)

Contribution ID: 10 Type: not specified

Lecture 7: Specific Hybrid Devices. PET-Sonic, EnDoTofPET...

Tuesday 7 November 2017 12:00 (1 hour)

Presenter: LECOQ, Paul (CERN Geneva, Ch)

Contribution ID: 11 Type: not specified

PET-Based Therapy. Response Assessment

Tuesday 7 November 2017 11:00 (1 hour)

Presenter: BEYER, Thomas (Vienna Medical University (MUW), Austria)

Contribution ID: 12 Type: not specified

Lecture 9: Dose Issues in Nuclear Medicine and Hybrid Imaging

Tuesday 7 November 2017 15:30 (1 hour)

Presenter: RAUSCH, Ivo (Vienna Medical University (MUW), Austria)

Contribution ID: 13 Type: not specified

ROUND TABLE: Hybrid and Personalized Medicine

Tuesday 7 November 2017 16:30 (1 hour)

Presenters: TOWNSEND, David; PATRICK, Le DÜ; LECOQ, Paul; BEYER, Thomas; OTHERS, and

Contribution ID: 14 Type: not specified

Reaction-Diffusion Models in Comptational Neurogeneration

Tuesday 7 November 2017 17:30 (1 hour)

Presenter: Prof. VLAMOS, Panayiotis

Contribution ID: 15 Type: not specified

Computational Methods in Alzheimee's Disease

Wednesday 8 November 2017 08:30 (1 hour)

Presenter: AVRAMOULI, Antagoni (Ionian University)

Contribution ID: 16 Type: not specified

Ethics for Radiation Protection in Medicine

Wednesday 8 November 2017 09:30 (1 hour)

Presenter: Prof. MALONE, Jim (Tinity College, Dublin, Ireland)

Contribution ID: 17 Type: not specified

Radiation Protection in a Treatment Centre

Wednesday 8 November 2017 12:00 (1 hour)

Presenter: PETKOVSKA, Sonja (ACIBADEM Sistina, Skopje, Mk)

Contribution ID: 18 Type: not specified

Scenario Analysis in Radiation Protection of Patients

Wednesday 8 November 2017 11:00 (1 hour)

Presenter: MALONE, Jim (Trinity college Dublin)

Contribution ID: 19 Type: not specified

Light Microscopy, Scanning Microscopy in Diagnostic Procedure

Wednesday 8 November 2017 16:15 (50 minutes)

Presenter: GONIDI, Maria (Ionian University)

Contribution ID: 20 Type: not specified

Subpathway-based Computational Approaches to Network for Medicine

Wednesday 8 November 2017 17:10 (50 minutes)

Presenter: VRAHATIS, Aris (University of Patras, Greece)

Contribution ID: 21 Type: not specified

Shielding of Diagnostic Imaging Facilities

Presenter: Prof. MALONE, Jim (Trinity College, Dublin, Ireland)

Contribution ID: 22 Type: not specified

Optimisation of Radiation Protection in Medicine

Presenter: GERSHAN, Vesna (Skopje University, Skopje, Mk)

Contribution ID: 23 Type: not specified

Radiation Protection and Pregnancy in Medicine

Presenter: Prof. MALONE, Jim (Trinity College, Dublin, Ireland)

Contribution ID: 24 Type: not specified

Trends and Research in Neurocognitive Enhancement

Thursday 9 November 2017 12:00 (55 minutes)

Presenter: PLEROU, Antonia (Ionian University)

Contribution ID: 25 Type: not specified

FLUKA Simulation for Medical Physics

Presenter: TOPI, Albana (INFN Pisa, It)

Contribution ID: 26 Type: not specified

Principles of HadronTherapy

Presenter: ALTIERI, Palma Rita (INFN Bari, It)

Contribution ID: 27 Type: not specified

VELOCITY TM: How to Transform Imaging Data to Knowledge

Thursday 9 November 2017 17:35 (50 minutes)

Presenter: CALDERA, Claudio (VARIAN Medical Systems)

Contribution ID: 28 Type: not specified

Particle Therapy Critical Issues and Challenges

Friday 10 November 2017 08:30 (1 hour)

Presenter: LE DÛ, Patrick (IEEE NPSS)

Contribution ID: 29 Type: not specified

Innovation in TOF and Improved Sensitivity

Friday 10 November 2017 09:30 (1 hour)

Presenter: LECOQ, Paul René (CERN Geneva Ch)

Contribution ID: 30 Type: not specified

Innovation in BioEngineering

Friday 10 November 2017 11:00 (40 minutes)

Presenter: LE DÛ, Patrick (IEEE NPSS)

Contribution ID: 31 Type: not specified

Radiation Phobia: Fake News and Alternative Facts

Friday 10 November 2017 11:40 (50 minutes)

Presenter: DAVID, Townsend (National Singapore University, Singapore,Sg)

Contribution ID: 32 Type: not specified

Concluding Session & FAREWELL

Friday 10 November 2017 12:30 (30 minutes)

Contribution ID: 33 Type: not specified

In parallel of the Coffee Break: OPTIONAL QUIZ

Friday 10 November 2017 10:40 (20 minutes)

Presenter: Dr LEMOIGNE, Yves

Contribution ID: 34 Type: not specified

General Culture Session : Departure by Special Bus to visit Achilleion Palace

General Culture Session : Depart $\, \cdots \,$

Presenters: Ms BOBORI, Katerina (Ionian University); Mr LEMOIGNE, Yves (IFMP)

Contribution ID: 35 Type: not specified

Lecture 4 : Understanding Radiation Units.

Presenter: LEMOIGNE, Yves (IFMP)

Contribution ID: 36 Type: not specified

Shielding of Diagnostic Imaging Facilities Jim Malone

Contribution ID: 37 Type: not specified

Shielding of Diagnostic Imaging Facilities

Wednesday 8 November 2017 14:20 (50 minutes)

Presenter: Prof. MALONE, Jim

Contribution ID: 38 Type: not specified

Optimisation of Radio Protection in Medicine

Wednesday 8 November 2017 15:10 (50 minutes)

Presenter: Dr GERSHAN, Vesna

Contribution ID: 39 Type: not specified

Radiation Protection and Pregnancy in Medicine

Thursday 9 November 2017 08:31 (55 minutes)

Presenter: Prof. MALONE, Jim

Contribution ID: 40 Type: not specified

Principles of HadronTherapy

Thursday 9 November 2017 09:30 (55 minutes)

Presenter: ALTIERI, Palma

Contribution ID: 41 Type: not specified

FLUKA Simulation for Medical Physics

Thursday 9 November 2017 11:05 (55 minutes)

Presenter: ALBANA, Topi ((It))

Contribution ID: 42 Type: not specified

General Culture Session : Departure by Special Bus to visit Achilleion Palace and Famous Kanoni Location (see our Poster)

Thursday 9 November 2017 14:24 (2h 40m)

General Culture Session : Depart $\, \cdots \,$

Presenter: BOBORI, Katrin ((Gr))

Contribution ID: 43 Type: not specified

Public Lecture about Schroedinger in Dublin

Tuesday 7 November 2017 18:45 (1h 15m)

Presenter: Prof. MALONE, Jim (Trinity College Dublin)

Contribution ID: 44 Type: **not specified**

Students' Forum selected presentation

Monday 6 November 2017 15:15 (40 minutes)

Presenter: KRIELSKI, Aleksandar (Skopje University, Macedonia)

Contribution ID: 45 Type: **not specified**

Students' Forum selected presentation

Tuesday 7 November 2017 14:50 (35 minutes)

Presenter: BUFASI, Ergi (UP Tirana)

Contribution ID: 46 Type: not specified

Students' Forum selected presentation

Thursday 9 November 2017 17:10 (25 minutes)

Presenter: TODOROVA, Nadya (Sofia University)