

IFMP

Institute
For Medical Physics
Institut pour la
Physique Médicale



International Medical Physics & Biomedical Engineering Workshop

Imaging for diagnosis (mainly Ultrasound techniques)

Radiotherapy (mainly Brachytherapy)



ORGANIZING
COMMITTEE:

Luan KOLA, Phys. Dept. Elbasan, Al *
Yves LEMOIGNE, Cern-Ch & IFMP-Fr *
Inva KOÇIAJ-BUZI, Elbasan, Al
Christian CACHARD, Lyon University, Fr
Albana TOPI, Siena University, It

* Co-chair

The target audience includes senior Medical Physicists or any scientists concerned by cutting edge technologies as well as young physicists working in the field. They can come from Albania but also from neighboring countries. Lectures will be in english.

SCIENTIFIC COMMITTEE:

Luan KOLA, Elbasan U., Al *
Yves LEMOIGNE, Cern & IFMP *
Inva KOÇIAJ-BUZI, Elbasan, Al
Christian CACHARD, Lyon, Fr
Niko HYKA, PTU Tirana, Al
Hervé LIEBGOTT, Creatis, Lyon, F
DriLona KISHTA, Tirana Uni., Al
Massimo MISCHI, Eindoven, NI
Marsjon QORDJA, QSUT, Al
Elham RAEISI, Shahrekord, Ir
Alex RIJNDERS, Brussels, Be
Ervis TELHAJ, Hygeia H Tirana, Al
Piero TORTOLI, Firenze U., It
Patrick LE DÙ, IEEE, USA

* Co-chair

ELBASAN ALBANIA

4th - 8th July 2016

Aleksander Zhuvani University

VARIAN
medical systems

Elbasan Workshop July 2016 Yves LEMOIGNE / IFMP – Ambilly – France & CERN-Geneva-Switzerland

IFMPInstitute
For Medical Physics
Institut pour la
Physique Médicale

Two Decades of History ...

Elbasan International Workshop on Medical Physics & Bioengineering in 2016 is a continuation of a serie initiated to promote dialogue between scientists of different countries for development of sciences and good understanding between people having a somewhat different culture..

More important milestones were:

Trieste 1995

Sarajevo 1996 & 1998

Oujda 2000

Thessaloniki 2002

Istanbul-Bogazici 2004

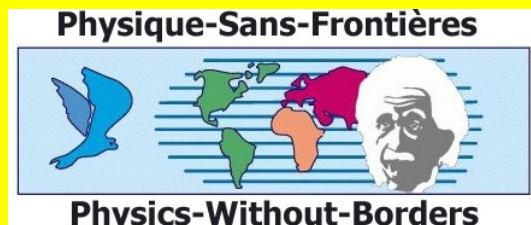
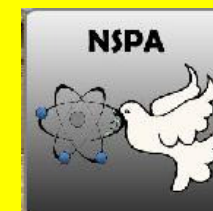
Iasi 2007

Cairo 2009 & 2011

Sarajevo 2014

Shkodra 2014

Ohrid 2015

**ESMP**



2015 International Year of Light and techniques using light paid tribute to:



Ibn Al Haytham, Bassora 965- Cairo 1039, from persan (Iran) origin, is the father of Experimental Physics and Scientific Method that we are all using now.

- He was the promoter of the experimental scientific method; ***(validation of a theory must be done by experimental results)***
- one of the first physicist / theorists to use mathematics in physics in replacement of “philosophic” intuition used previously.
- His pioneering work in the field of physiological optics and optics in general has made Al Haytham's first true scientist.
- In his tribute paid by International year 2015: Asteroid 59239 now bears his name as well as a moon crater

ELBASAN Workshop 2016 (Tentative Time-Table) v11

Aleksander Xhuvani University with IFMP & CERN

	Monday 4 july	Tuesday 5 july	Wednesday 6 july	Thursday 7 july	Friday 8 july
	Welcome & MP / US basics	US use in Med. Phys.	US Innovations / Cultural day	Brachytherapy(BT)	BT & Trends in Med Phys
8:00 - 8:30	registration				
8:30 - 9:30	welcome <i>Rector, AAPM, IFMP...</i>	US Transducer <i>H. Liebgott, Creatis-Lyon, F</i>	Ultrafast US <i>H. Liebgott, Creatis-Lyon, F</i>	Photon Sources <i>A. Rijnders, Brussels, Be</i>	Conv. & Stereotactic RT <i>I. Muçollari, Mother Teresa Hsp.</i>
9:30 - 10:30	Med Phys@Albania / IAEA Guidelines <i>P. Malkaj, UPT Tirana</i>	US Beamforming <i>M. Mischi, Eindhoven, NL</i>	Simulation in Med US <i>H. Liebgott, Creatis-Lyon, F</i>	Dosimetry systems <i>E. Telhaj, Hygeia, Tirana</i>	QA, Patient Safety in BT <i>A.Rijnders, Brussels, Be</i>
coffee break	coffee break	coffee break	coffee break	coffee break	coffee break
11:00 - 12:00	Medical Imaging Rev.1 <i>Y.Lemoigne, IFMP F & CERN-CH</i>	Doppler US - 1 <i>P.Tortoli, Firenze U, It</i>	Trip to Lin (Fishermen village & Mosaic chapel)	Radiobiology in BT <i>A. Rijnders, Brussels, Be</i>	Innovation in MP <i>E.Raeisi, Tehran, TBC</i>
12:00 - 13:00	Ultrasound basis <i>C. Cachard, Lyon1 Uni, F</i>	Contrast Agents <i>M. Mischi, Eindhoven, NL</i>	Trip cont' to Pogradec Visit Ohrid lake in Pogradec visit & Lunch in Pogradec	Brachytherapy Room <i>E. Telhaj, Hygeia, Tirana</i>	Summary & conclusions end of Workshop
Lunch	Lunch	Lunch	Lunch	Lunch	
14:30 - 15:00	Students'forum	Students'forum	Trip to Korçë (Maliq ...)	Students'forum	departure to Tirana (Possible visit ?)
15:00 - 16:00	Medical Imaging Rev.2 <i>Y.Lemoigne, IFMP F & CERN-CH</i>	Using US in cardiology <i>M. Qordja, Mother Teresa Hosp.</i>	Korçë visit (Saint Risto frescos; Old City centre; Impressionnist museum...)	BT Treatment Plannings <i>A. Rijnders, Brussels, Be</i>	
coffee break	coffee break	coffee break		coffee break	Legend:
16:30 - 17:30	Ultrasound imaging <i>C. Cachard, Lyon1 Uni, F</i>	Doppler US - 2 <i>P.Tortoli, FirenzeU, It</i>	back to Elbasan	Ionising Radiation in RT <i>U.Gjoka, Tirana</i>	Generalities
17:30 - 18:30	Training & Simulation in RT <i>Niko Hyka, UPT Tirana</i>	Using US in Urology <i>Drilona Kishta, Tirana Uni</i>		Varian Presentation <i>A. Mader, Varian Ltd</i>	Ultrasound US
19:00					Radiotherapy
20:00 - 23:00	Welcome Cocktail			Banquet	Cultural Program.

Note : One hour slot means 45 mn lecture and 15 mn discussion.

Students forum could be oral or poster presentation by students about their work or any topic they think interesting (15 mn max). Thus 6 students could do oral presentation with Powerpoint. Poster presentations could go up to 12 selected as the best ones.