

INVITATION TO:

The International Day of Medical Physics

November 7th , 2013



FROM RADIUM TO HADRON RADIOTHERAPY

**A CONFERENCE TO COMPLETE THE FIRST PHASE OF THE CONSTRUCTION OF
THE NATIONAL CENTRE FOR HADRON RADIOTHERAPY – CYCLOTRON CENTRE BRONOWICE**

Organizers:

The Henryk Niewodniczanski Institute of Nuclear Physics, Polish Academy of Sciences (IFJ PAN)
Polish Academy of Sciences, Division V Medical Sciences, Committee of Medical Physics, Radiobiology
and Diagnostic Imaging

AGH University of Science and Technology, Faculty of Physics and Applied Computer Science

Polish Society of Medical Physics

International Organization for Medical Physics

Venue

The Henryk Niewodniczanski Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN)

ul. Radzikowskiego 152, Kraków (Poland), Main Lecture Hall

Conference President:

Prof. Marek Jeżabek, Director General, IFJ PAN

Honorary Committee:

J. R. Cameron* (USA) Marie Skłodowska- Curie Award Recipient (2000)

A. Dutreix (France) Marie Skłodowska- Curie Award Recipient (2003)

J. R. Cunningham (Canada) Marie Skłodowska- Curie Award Recipient (2006)

A. Niroomand-Rad (USA) IOMP Past President, Marie Skłodowska- Curie Award Recipient (2009),
Fellow of IOMP

C. Mistretta (USA) Marie Skłodowska - Curie Award Recipient (2012)

K. Y. Cheung (Hong Kong) IOMP President , Fellow of IOMP

O.A. Chomicki (Poland) Fellow of IOMP

S. Christofides (Cyprus) EFOMP Past President

F. Nuesslin (Germany) IOMP Past President, Fellow of IOMP

G. Pawlicki (Poland) PAN Committee of Medical Physics, Radiobiology and Diagnostic Imaging,
Honorary President of the PSMP

P. Sharp OBE (UK) EFOMP President

S. Tabakov (UK) IOMP Vice-President, Fellow of IOMP

J. Walecki (Poland) – Chairman, PAN Committee of Medical Physics, Radiobiology and Diagnostic
Imaging

M.P.R. Waligórski (Poland) - National Consultant for Medical Physics

J. Wolny (Poland) - AGH University of Science and Technology, Dean of the Faculty of Physics and
Applied Computer Science

Chairpersons:

Marta Wasilewska-Radwańska - PAN Div. V M.Sc. Committee of Medical Physics, Radiobiology and
Diagnostic Imaging; AGH University of Science and Technology, Faculty of Physics and Applied
Computer Science

Maciej Budzanowski - Institute of Nuclear Physics, Polish Academy of Sciences (IFJ PAN)

Paweł Olko - Institute of Nuclear Physics, Polish Academy of Sciences (IFJ PAN)

Renata Kopeć - Institute of Nuclear Physics, Polish Academy of Sciences (IFJ PAN)

Paweł Kukołowicz – President, Polish Society of Medical Physics (PSMP)

* deceased (1922-2005)

CONFERENCE PROGRAMME

Thursday, November 7th , 2013

Chairpersons:

Marek Jeżabek, Maciej Budzanowski, Paweł Olko, Marta Wasilewska –Radwańska

10:00-10:20

Opening Ceremony: Marek Jeżabek (IFJ PAN), Azam Niroomand-Rad (IOMP), Jerzy Walecki (PAN),
Paweł Kukołowicz (PSMP)

10:20-10:40

W. Bulski (Poland): Maria Skłodowska-Curie – Her relations with Mother Land Poland

10:40-11:20

Azam Niroomand-Rad (AAPM/IOMP): Maria Skłodowska-Curie (1867-1934) - Historical Overview,
Tribute, Contributions to Physics, Medicine and Cancer Treatment

11:20-11:40

Charles Mistretta (USA, University of Wisconsin, Department of Medical Physics): The development
of modern angiography: Applications of constrained reconstruction and undersampled acquisition
in 4D MRA and 4D DSA

11:40-12:00

Paweł Kukołowicz (Poland, President of PMPS): Activity of the Polish Medical Physics Society –
A Tribute to Maria Skłodowska -Curie

12:00-12:20

Coffee break

12:20:12:40

P. Olko (IFJ PAN): The Cyclotron Centre Bronowice (CCB) - a facility for research and proton therapy

12:40- 12:55

A. Maj (IFJ PAN): Nuclear physics research at the Cyclotron Centre Bronowice

12:55 -13:10

J. Swakoń (IFJ PAN): Proton therapy of ocular cancer

13:10-13:25

T. Kajdrowicz (IFJ PAN): Novel techniques of conformal dose delivery in Intensity Modulated Proton Therapy (IMPT) at the Cyclotron Centre Bronowice

13:25-13:40

M. Budzanowski (IFJ PAN): Application of TL detectors in the nGy to MGy range

13:40-13:55

R. Kopeć (IFJ PAN): Individual and environmental dosimetry service at LADIS IFJ PAN

14:00-15:00

Lunch

15:00 – 16:30

Visit to the Cyclotron Centre Bronowice IFJ PAN

**The Conference is supported in the frame of the project
“National Centre for Hadron Radiotherapy - Cyclotron Centre Bronowice”**

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Registration: no fee, please register at the IFJ PAN web page:

<http://www.ifj.edu.pl/conf/idmp2013/registration.php>

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