

# Roland Eötvös Physical Society - Health Physics Section



<https://irpa2022.eu/>

## Progress report on the organisation of the 2022 IRPA congress in Budapest

Dr. János Petrányi, PhD  
chair of the 6th European IRPA Congress

Organiser:



**REPS-HPS**

Roland Eötvös Physical  
Society Health Section

Partners:



**Fachverband für  
Strahlenschutz e.V.**

Für Deutschland und die Schweiz  
Mitgliedsgesellschaft der IRPA  
International Radiation Protection Association





A wide-angle photograph of a large, modern congress hall. The room is filled with rows of red upholstered chairs with wooden armrests, arranged in a semi-circular pattern facing a stage. The stage features a large central screen displaying the IRPA2022 logo, flanked by two smaller screens showing "ECerS2017". The ceiling is high with green ambient lighting along the curved architectural elements. The floor is covered with a patterned carpet.

**30 May – 3 June 2022, European IRPA 2022 Congress**  
Budapest Congress Centre



# **RADIATION PROTECTION FOR EVERYONE**

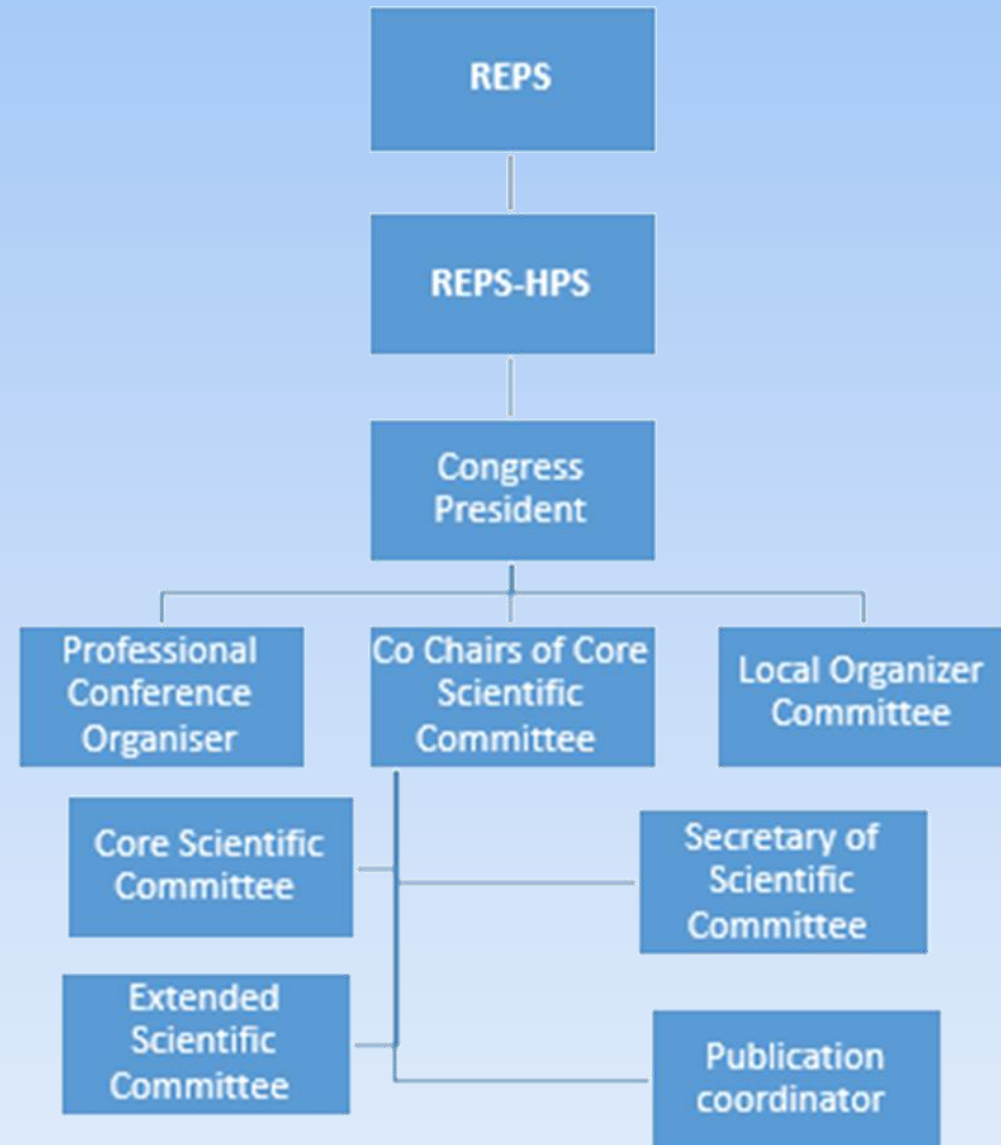
- Plenary and parallel sessions.
- Poster section.
- Art and fun corner.
- Refresher Courses.
- Clever ideas in application.
- Young scientist challenge.
- Paper publication possibility.
- Side events.

**Roland Eötvös Physical Society  
HEALTH PHYSICS SECTION**

# Timeline and deadlines

- Abstract submission deadline (oral and poster): 15 December 2021
- Abstract acceptance notification deadline: 31 December 2021
- Early registration and payment deadline: 15 February 2022
- Standard registration and payment deadline: 1 May 2022
- On-site registration: 2 May 2022
- Full papers submission deadline: 1 May 2022
- Full papers publication: from 31 December 2022
- IRPA 2022 Congress: 30 May – 3 June 2022

# Organisation structure



- **Chair of the Organizing Committee:**  
János Petrányi (HU)
- **Local Organizer Committee (HU):**  
Erna Sári, Csengele Bognár, Richárd Elek, Árpád Vincze, László Szűcs, Tibor Bujtás, Dorottya Jakab, Anna Pántya, Tamás Pázmándi, Csilla Pesznyák, Gabriella Taba.
- **Co Chairs of Core Scientific Committee:**  
Tamás Pázmándi (HU), Csilla Pesznyák (HU)
- **Secretary of Scientific Committee:**  
Hannes Stadtmann (AT)
- **Scientific Publication coordinator:**  
Michael Hajek (AT),  
**proxy-coordinator:** Franz Josef Maringer (AT)

# Core Scientific Committee



Fields	Experts
1. NIR: Non-ionising radiation	Peter Jeschke (DE)
2. Education and training	Michèle Coeck (BE)
3. Medical applications	Zeljka Knezevic (HR)
4. Measurement and standardisation	Franz Josef Maringer (AT)
5. Radioecology	Ivana Vukanac (RS)
6. Personal dosimetry	Daniela Ekendahl (CZ)
7. NORM & Radon	Constantin Milu (RO)
8. Radioactive waste management and geological disposal	Behrooz Bazargar-Sabet (FR)
9. Radioactivity monitoring and emergency monitoring	Benjamin Zorko (SI)
10. Regulation	Katona Tünde (HU)
11. Radiobiology	Géza Sáfrány (HU)
12. Industry & NPP	Mercè Ginjaume (ES)
13. Other Radiation Protection	Celso Osimani (IT)
14. Perspectives from Ethics, Social Sciences and Humanities	Gaston Meskens (BE)

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# Extended Scientific Committee

## **1 .NIR: Non-ionising radiation**

1. Dragan Poljak (HR)
2. György Thúróczy (HU)
3. Ljiljana Udovicic (DE)
4. Marina Khazova (UK)
- 5.
- 6.

## **2. Education and Training**

1. Kinga Szacsvai (RO)
2. Borislava Petrovic (RS)
3. Carmel Caruana (MT)
4. Szabolcs Czifrus (HU)
5. Joanne Stewart (UK)
6. Andrea Luciani (IAEA)

## **3. Medical applications**

1. Hrvoje Hršak (HR)
2. Tibor Major (HU)
3. Jelena Popic (HR)
4. Richard A. Amos (UK)
5. Joao Seco (DE)
6. Manuel José Buades-Forner (ES)
7. Jenia Vassileva (IAEA)

## **4. Measurement and standardisation**

1. László Szűcs (HU)
2. Hans Richard Doerfel (DE)
3. Milos Zivanovic (RS)
4. Maria Sahagia (RO)
5. Valérie Chambrette (FR)
6. Petr Kuca (CZ)

## **5. Radioecology**

1. Dragana Todorovic (RS)
2. Nele Horemans (BE)
3. Hildegard Vandenhove (BE)
4. Pavel Povinec (SK)
5. Almudena Real (ES)
6. Christoph Wilhelm (DE)
7. Osváth Szabolcs (HU)

## **6. Personal dosimetry and Workplace**

1. Gabriella Taba (HU)
2. Mirela Angela Saizu (RO)
3. Pavel Fojtik (CZ)
4. Filip Vanhavere (BE)
5. Oliver Hupe (DE)
6. Isabelle Clairand (FR)
7. Vadim Chumak (UA)
8. Jonathan Eakins (UK)
9. Bastian Breustedt (DE)

## **7. NORM & Radon**

1. Rainer Gellermann (DE)
2. Margareta Cherestes (RO)
3. Gordana Pantelic (RS)
4. Kovács Tibor (HU)
5. Katerina Navratilova  
Rovenska (CZ)
- 6.

## **8. Rad waste and geological disposal**

1. Bálint Nőcs (HU)
2. Isabel Paiva (PT)
3. Barnabás Nagy (HU)
4. Jitka Miksova (CZ)
- 5.
- 6.



# Extended Scientific Committee

## ***9. Rad monitoring and emergency monitoring***

1. Lajos Kátai-Urbán (HU)
2. Gyula Vass (HU)
3. Pierre-Yves Hemidy (FR)
- 4.
- 5.
- 6.

## ***10. Regulation***

1. Árpád Vincze (IAEA)
2. Sylvain Andresz
3. Karla Petrova
4. Helena Janzekovic
5. Bernd Lorenz
6. Burcin Okyar

## ***11. Radiobiology***

1. Katalin Lumniczky (HU)
2. Branislava Mitrović (RS)
3. Rafi Benotmane (BE)
4. Manuel Bardies (FR)
5. Loredana G. Marcu (RO)
6. Sisko Salomaa (FI)
7. Dmitry Klovov (FR)

## ***12. Industry & NPP***

1. Tibor Bujtás (HU)
2. Gregor Omahen (SLO)
3. Sigrid Sperker (AT)
- 4.
- 5.
- 6.

## ***13. Other Radiation Protection***

1. Richárd Elek (HU)
2. Yuri Dekhyar (LV)
3. Jorge MS Isidoro (PT)
4. Marie Davidkova (CZ)
- 5.
- 6.

## ***14. Perspectives from Ethics, Social Sciences and Humanities***

1. Ivana Fojtikova (CZ)
- 2.
- 3.
- 4.
- 5.

## ***Young Generation Network***

1. Franz Kabrt (AT)
2. Dorottya Jakab (HU)
3. Anna Pántya (HU)
4. Ruxandra Săpoi (RO)
5. Anna Jelinek
6. Michaelidesova (CZ)

## ***Advisers***

1. Alfred Hefner (AT)
2. Andreas Steurer (AT)
3. Sigrid Sperker (AT)

## ***Clever Ideas***

1. Gabriella Taba

# Technical Site Visits

**1. ELI-ALPS**



**2. MVM Paks Nuclear Power Plant**



**3. Public Limited Company for Radioactive Waste Management**



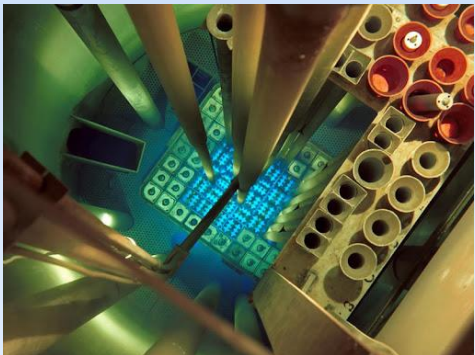
**4. SOTE**



**5. EK-CER Research Reactor**



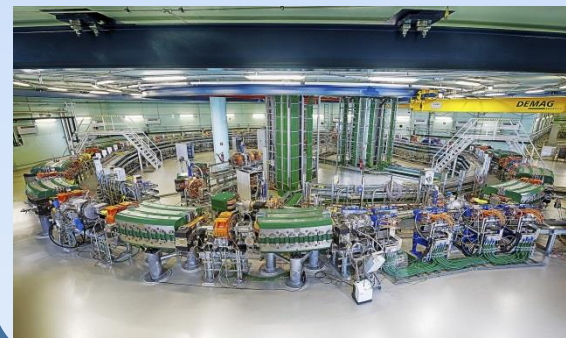
**6. BME Training Reactor**



**7. Gamma Zrt. Hungarian nuclear Industry**



**8. Medauston**



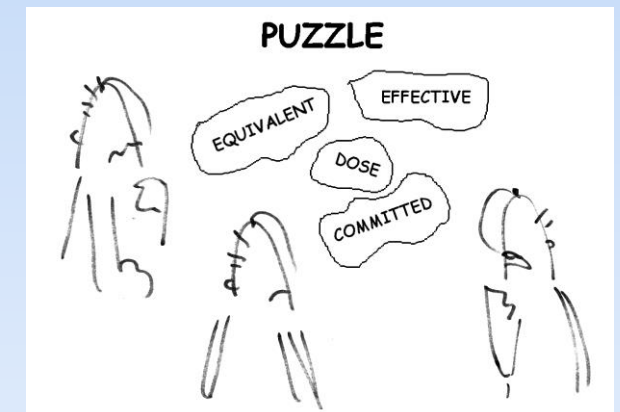
**9. Seibersdorf Laboratories**



# Art and fun corner

- If you are not only interested in radiation protection but are happy to create something related to the topic, then this conference is for you! Submitted works of art, which can be any works of fine art, even cartoons, will be displayed in the hallway of the conference venue.

Application: [irpa2022@akcongress.com](mailto:irpa2022@akcongress.com), Submitting Deadline: 30. 01.2022.





# Eat & Meet

Welcome reception on Monday 30 May 2022

Gala dinner on Wednesday 1 June 2022

- Cruising the river under the magnificent bridges across the river Danube on the Europa ship.



# Young Scientists and Professionals competition

## Re opened!!!

In the organization of an IRPA Regional Congress, it is

- required to **organize a Young Scientist and Professionals competition** and establish an award,
- recommended that a full programme of events (both scientific and social) is dedicated to YP.

Main conditions and rules:

- YPs are required to:
  - **be under 35 years** (or equivalently to be in the first five years of their profession in RP when older),
  - **be the main author of a paper whose abstract has been approved** by the SC,
  - **be officially designated by the Associate Society.**
- Candidate's **Associate Society** is required to:
  - **nominate at most two candidates,**
  - **submit the candidate's paper** according to the format and timescale (paper must be received **at least 1 month before** the Congress) stipulated by the Congress, for its **evaluation by a Jury,**
  - **ensure the participation of the candidate to make an oral presentation** of the paper.
- Congress Organizing Committee shall:
  - **arrange a Young Scientists and Professional Award Committee** (Dorottya Jakab, Anna Pántya)
  - **provide the rules and timescales** → nomination and abstract submission by 20 December 2021, full paper submission by 15 Feb 2022
  - ensure the **integration of the oral presentations**
  - **appoint a Jury** for evaluation both of the written paper and the oral presentations
    - the chairman or at least one member is an IRPA Executive Council member → suggestion for members (5) of the Jury by 15 Nov 2021
  - **present awards** (normally three awards as 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> prizes)
    - announced in the Closing Ceremony, consist of diplomas an/or memorial plaques, together with any monetary prize

## 14 candidates

**France: 1**

**The United Kingdom: 1**

**The Czech Republic: 1**

**Austria: 2**

**Spain: 2**

**Germany: 1**

**Russia: 2**

**Hungary: 2**

**Italy: 1**

**Romania: 1**



# Young Scientists and Professionals competition

**Reopened until 20 December 2021!!!**

No	Candidate's name		Country	Preferred topic	Title of the abstract:	Note
1	Guillaume	GARNIER	France	Radioactivity monitoring and emergency monitoring	Experimental reconstruction of an accidental external exposure: how the dosimetric methods complement each other ?	
2	Kathryn	AMBROSE	United Kingdom	Industry & NPP	Conservatism Versus Sustainability	no review result yet
3	Martin	Sefl	Czech Republic	Personal dosimetry	Estimation of plutonium concentration in skeleton from occupationally exposed individuals	
4	Victor	Merza	Austria	Personal dosimetry	Is the ISO slab phantom appropriate for calibrations of the new ICRU 95 operational quantity Personal Dose?	+1 poster
5	Reinhard	Wagner	Austria	Radioactivity monitoring and emergency monitoring	Differences in the assessment of the number of victims of the Chernobyl Nuclear Disaster	
6	Claudia	Codosero Navarro	Spain	Personal dosimetry	Three-dimensional dose calculation in CT/SPECT treatments with internal emitter LU-177 using Monte Carlo techniques	no review result yet
7	Víctor	García Balcaza	Spain	Personal dosimetry	PyMCGPU-IR Monte Carlo code for occupational dosimetry in interventional radiology	poster review result



# Young Scientists and Professionals competition

**Reopened until 20 December 2021!!!**

No	Candidate's name		Country	Preferred topic	Title of the abstract:	Note
8	Charlotte	Schüette	Germany	Education and training	A teaching concept for school experiments on radioactivity using augmented reality methods	no review result
9	Mariia	Ianishevskiaia	Russia	Radiobiology	Association of single nucleotide polymorphisms of apoptosis and cell cycle control genes with the risk of malignant neoplasm development in chronically exposed persons	
10	Anna	Rastorgueva	Russia	Medical applications	Application of cellular technologies in the treatment of local radiation injuries	no review result
11	Vanda	Papp	Hungary	Radioactive waste management and geological disposal	Investigation of the structure of binders related to the final disposal of radioactive waste	poster review result
12	David	Hajdú	Hungary	Radioactive waste management and geological disposal	Reproduction of Shielding Concrete Activation Measurements by Simulations	no review result
13	Davide	Bozzato	Italy	Radioactive waste management and geological disposal	Operational radiation protection challenges for the LHC experiments	
14	Georgian Viorel	Tobosaru	Romania	Industry & NPP	Implementation of the novel source term monitoring factors at CANDU plant for outage radiation field reduction	no review result

# Competitions

- IRPA2022 Startup Competition

Dedicated to find the most promising company solutions and innovations in the radiation protection fields.

Organizer: Csengele Bognár

- Clever Ideas Competition

Participants of the congress (individually or in groups) can submit in advance their creative presentations, imaginative demonstrations, posters, infographics, quizzes, videos or even caricatures concerning the fields of radiation protection.

Organizer: Gabriella Taba

Application: [irpa2022@akcongress.com](mailto:irpa2022@akcongress.com) , Submitting Deadline: 30. 01.2022.

# Refresher courses

- General radiation protection (Péter Zagyvai)
- Education (Michel Cook)
- ICRP Review and revise the radiation protection system (Christopher Clement)
- Basic radiation protection in healthcare (IAEA)
- Advanced radiation protection in healthcare (IAEA)
- NIR: Non-ionising radiation (presenter under negotiation)
- Radiobiology (Katalin Lumniczky)
- Radiation in analysis and structural studies (Noémi Nagy)



# Proceedings

- Accepting Full papers until 1 May 2022, the review process will start after the congress.
- Expected publication from 31 December 2022
- The best articles can be published in a reputable journal after peer review.

1. Radiation Protection Dosimetry <https://academic.oup.com/rpd>

Negotiations are still ongoing with the journal, more information will be published soon.

2. IRPA official website <https://www.irpa.net/>

# Registration fees in Euro

	<b>Early</b>	<b>Late</b>	<b>On-site</b>
	till 1 Mar., 2022	till 1 May, 2022	From 2 May, 2022
Full	655	715	775
Young / Student*	380	440	510

The conference registration fee includes:

- attendance to all scientific sessions
- official conference documentation
- coffee breaks between 30 May and 3 June 2022
- lunches between 30 May and 3 June 2022
- admission to the Welcome Reception (30 May 2022)
- total value of catering included in the registration fee is 270 EUR (with service charges) as intermediary services
- VAT (27%)

\*Young Professionals and Students should be in their first decade as Radiation Protection professional and preferably not be older than 35 years.



# IRPA 2022 Website

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IRPA2022

## Radiation Protection for Everyone 6th European Congress on Radiation Protection

May 30–June 3 2022

Budapest Congress Centre / Budapest, Hungary

[REPS-HPS website](#)

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Welcome to the IRPA2022 website

Roland Eötvös Physical Society's Health Physics Section (REPS-HPS) is pleased to host 6th European IRPA Congress, that will take place from 30th May to 3rd June, 2022 in the beautiful capital of Hungary, Budapest.

[www.irpa2022.eu](http://www.irpa2022.eu)