

## Conference program Radon 2016

<b>Monday, September 12</b>	
	<b>Methods of measurement - devices, metrological aspects</b>
7.30 - 8.50	Registration
8.50 - 9.00	Invitation
9.00 - 9.20	<b>Halitus: a project to analyse the difference between radon exposure at home and workplaces</b> <i>Giorgia Cinelli, Valeria Gruber, Jose-Luis Gutierrez-Villanueva, Per Nilsson</i>
9.20 - 9.40	<b>Comparison of total individual radon exposure and radon exposure at home and at work</b> <i>Aleksandra Onishchenko, Michael Zhukovsky</i>
9.40 - 10.00	<b>Radon exposure at specific workplaces in Austria - experience and future challenges</b> <i>Valeria Gruber, Wolfgang Ringer</i>
10.00 - 10.30	Coffee break, posters
10.30 - 10.50	<b>Is there a need for a European calibration protocol for passive detectors?</b> <i>Maria Hansen</i>
10.50 - 11.10	<b>An international cooperation by using a whole-embracing passive radon monitor</b> <i>Luigi Tommasino, Jing Chen, Renato Falcomer, Mirek Janik, Reiko Kanda, Pierino De Felice, Francesco Cardellini, Rosabianca Trevisi, Francesca Leonardi, Mauro Magnoni, Enrico Chiaberti, Giovanni Agnesod, Massimo Faure Magani, Guillermo Espinosa, José Golzarri, Krzysztof Kozak, Jadwiga Mazur</i>

11.10 - 11.30	<b>Proficiency test of commercial radon monitors for low level radon exhalation measurements in chambers with air exchange</b> <i>Michael Hofmann, Matthias Richter, Oliver Jann</i>
11.30 - 11.50	<b>Radon exhalation from soil and its dependence from environmental parameters</b> <i>Jinmin Yang, Max Buchsteiner, Josef Irlinger, Qiuju Guo, Jochen Tschiersch</i>
11.50 - 12.10	<b>A simplified measurement method for on-site determination of the radon emanation from building materials</b> <i>Franz Kabrt, Andreas Baumgartner, Michael Stietka, Franz Josef Maringer</i>
12.10 - 12.30	<b>Assessment of radium activity concentration and radon exhalation from building materials used in the Iberian Peninsula</b> <i>Eva Andrade, Conrado Miro, Maria José Madruga, Mario Reis, Marta Santos</i>
12.30 - 13.40	Lunch break
13.40 - 14.00	<b>Concealed errors in radon-measurements and strategies to eliminate them</b> <i>Luigi Tommasino</i>
14.00 - 14.20	<b>Radon and radon progeny concentration primary standard prototype on the base of high purity germanium detector</b> <i>Mostafa Mostafa, Maxim Vasyanovich, Michael Zhukovsky</i>
14.20 - 15.30 poster presentaion	<b>Inter-comparison of radon detectors for one to four week measurement periods</b> <i>Gillian Gunning, Michael Murray, Stephanie Long, Mark Foley, Eric Finch</i>
	<b>Long-term measurements of equilibrium equivalent radon and thoron progeny concentrations in Republic of Srpska dwellings</b> <i>Zoran Curguz, Z. Stojanovska, R. Mishra, Mr. P. Kolarz, R.C. Ramola, Z.S. Zunic, B.K.Sapra</i>
	<b>Indoor radon, thoron and their progeny concentrations in high thoron rural Serbia environments</b> <i>Zora S. Zunic, Z. Stojanovska, N. Veselinovic, R. Mishra, B.K. Sapra, T. Ishikawa, Y. Omori, Z. Curguz, R.C. Ramola</i>
	<b>Development of charcoal adsorption technique for determination of radon content in natural gas</b> <i>Pholphiphat Paewpanchon, Supitcha Chanyotha</i>

14.20 - 15.30 poster presentaion	<b>Construction and measurement capabilities of the Radon Progeny Size Spectrometer</b> <i>Katarzyna Wołoszczuk, Zuzanna Podgórska</i>
	<b>Determination of indoor radon-222 in the air: validation of a SSNTD technique at Brazilian Commission for Nuclear Energy</b> <i>Danila Carrijo da Silva Dias, Nivaldo Carlos da Silva, Marcos Vinícius Rodrigues</i>
	<b>Radon risk mapping in southern Tunisia: application of GIS technique</b> <i>Ben el Haj Hassen Aouatef</i>
	<b>Studying the phenomenon of pair of tracks production on plastic detectors in radon measurements</b> <i>Riad Shweikani</i>
	<b>Novel method to make a calibrated thoron source</b> <i>Robert Lindsay, Elmughera Elhag, Joash Ongori</i>
	<b>Radon and thoron in Angolan adobe houses</b> <i>J. Dembo, P. Volgyesi, Zs. Szabo, Z. Kis, Cs. Szabo</i>
	<b>Measurements of airborne concentrations of radon and thoron decay products</b> <i>Stanislaw Chalupnik, Krystian Skubacz, Pawel Urban, Malgorzata Wysocka</i>
	<b>Radon chamber in the Central Mining Institute: it's potential as the calibration facility for radon and radon progeny</b> <i>Stanislaw Chalupnik, Malgorzata Wysocka, Krystian Skubacz, Pawel Urban</i>
	<b>Evaluation of radon absorption properties of different types of activated charcoal for reducing radon concentrations</b> <i>Zuzanna Podgórska, Katarzyna Wołoszczuk</i>
15.30 - 16.00	Coffee break, posters

16.00 - 16.20	<b>Ultrafine aerosol influence on the sampling by cascade impactor</b> <i>Maksim Vasyanovich, Mostafa Y.A. Mostafa, Michael Zhukovsky</i>
16.20 - 16.40	<b>Simultaneous measurements of nanoaerosols and radioactive aerosols</b> <i>Petr Otahal, Ivo Burian, Jakub Ondracek, Vladimir Zdimal, Robert F Holub</i>
16.40 - 17.00	<b>Radon, thoron and their progenies measured in polluted air and resulting alpha-radiation dose workers</b> <i>Abdellatif Talbi, Moulay Ali Misdaq, Jamal Ouguidi</i>
17.00 - 17.20	<b>NRPI multi-purpose on-line monitoring station for measurement of natural radioactivity in soil and ambient atmosphere</b> <i>Karel Jilek, Aleš Fronka, Tomas Prokop, Lubomir Neubauer, Miriam Slezáková</i>
17.20 - 17.40	<b>Assessment of the radon risk in some thermal stations from eastern Algeria</b> <i>Mounir Ait-Ziane, Farid Boucheneb, Meriem Mezaguer-Lekhouaghet, Adnane Souffi Moulla, Abdelwahab Badreddine, Zohra Lounis-Mokrani</i>
17.40 - 18.00	<b>The Italian thoron reference measurement system developed in the frame of MetroNORM project</b> <i>Francesco Cardellini, Lina Quintieri, Marco Capogni</i>
<b>18.00</b>	Welcome party, Faculty terrace
	<b>Tuesday Setember 13</b>
	<b>Health effects of radon</b>
8.30 - 9.00	<b>Canadian population risk of radon induced lung cancer – variation range assessment based on various radon risk models</b> <i>Jing Chen</i>
9.00 - 9.20	<b>Effective dose coefficients for radon: a critical review and implications on implementation of regulations</b> <i>Francesco Bochicchio</i>

9.20 - 9.40	<p><b>Quantitative health risk assessment of indoor radon: a systematic review</b>  <i>Roula Ajrouche, Géraldine Ielsch, Enora Cléro, Candice Roudier, Didier Gay, Jérôme Guillevic, Dominique Laurier, Alain Le Tertre</i></p>
9.40 - 10.00 poster presentation	<p><b>Radon, thoron and their progenies concentrations in petrol and gas-oil exhaust fumes and resulting alpha radiation doses</b>  <i>Moulay Ali Misdaq, Jamal Ouguidi, Aziz Chaouqi, Azeddine Mourtassim, Abdellatif Talbi</i></p>
	<p><b>22Rn, 220Rn and their progenies measured in indoor air and resulting alpha radiation doses to the eyes of individuals</b>  <i>Moulay Ali Misdaq, Brahim Elouardi, Jamal Ouguidi, Abdellatif Talbi</i></p>
	<p><b>Radon, thoron and progeny measured in urban health centres and the resulting radiation doses to doctors, nurses and patients</b>  <i>Moulay Ali Misdaq, Abdennacer Metrane, Jamal Ouguidi, Abdellatif Talbi</i></p>
	<p><b>Assessment of DNA damage related to chronic low-dose ionising radiation exposure in population from Băita-Ștei area</b>  <i>Tiberius Dicu, Piroska Virag, Cucos Alexandra, Burghel Bety, Pascu Andrada, Dolha Monica</i></p>
	<p><b>A discussion on the effective dose and associated lung cancer risk due to indoor radon exposure</b>  <i>Jing Chen, Christophe Murith, Chunhong Wang, Shenlin Liu</i></p>
	<p><b>Radon in the exhalation air of patients in radon therapy</b>  <i>Herbert Lettner, Alexander Hubmer, Werner Hofmann, Martin Gaisberger, Julia Landrichinger, Renate Winkler</i></p>
10.00 - 10.30	Coffee break, posters
10.30 - 10.50	<p><b>Lung cancer risk from radon and smoking – additive or multiplicative effect</b>  <i>Ladislav Tomasek</i></p>
10.50 - 11.10	<p><b>Analysis of the factors influencing the results of wide-scale radon case control studies</b>  <i>Aleksandra Onishchenko, Michael Zhukovsky, Anatoly Varaksin, Aleksey Vasilyev</i></p>

11.10 - 11.30	<b>The average effective dose due to residential radon in Germany</b> <i>Thomas Beck</i>
11.30 - 11.40	Short break
	<b>National programs and projects</b>
11.40 - 12.10	<b>Radon dosimetry for workers: ICRP's approach</b> <i>James W. Marsh, Dominique Laurier, Margot Tirmarche</i>
12.10 - 12.30	<b>Comparative study of radon exposure in Canadian homes and uranium mines – a discussion on the importance of national radon program</b> <i>Jing Chen</i>
12.30 - 13.40	Lunch break
13.40 - 14.00	<b>National action plans on radon: reference levels and priority areas considering optimization and avertable lung cancers</b> <i>Francesco Bochicchio, Carmen Carpentieri, Gennaro Venoso</i>
14.00 - 14.20	<b>Radon program of the Czech Republic</b> <i>Eva Pravdova</i>
14.20 - 14.40	<b>Preliminary results of the first national indoor radon survey in Serbia</b> <i>Vladimir Udovicic, Dimitrije Maletic, Maja Eremic Savkovic, Gordana Pantelic, Predrag Ujic, Igor Celikovic, Sofija Forkapic, Dragoslav Nikezic, Vladimir Markovic, Vesna Arsic, Jovana Ilic, Per Nilsson</i>
14.40 - 15.00	<b>Development and application of a survey protocol to update Ireland's national average indoor radon concentration</b> <i>Alison Dowdall, Patrick Murphy, David Fenton, David Pollard</i>

15.00 - 15.20	<b>A flow chart for the development of national radon action plans</b> <i>Katerina Navratilova Rovenska, Trevor Boal, Tony Colgan</i>
15.20 - 15.30 poster presentation	<b>Comparison of approaches to obtain a sample of dwellings for radon survey</b> <i>Iliya Yarmoshenko, Aleksandra Onishchenko, Georgy Malinovsky, Aleksey Vasilyev, Michael Zhukovsky</i>
	<b>Preliminary results of radon survey in the kindergartens of V4 countries</b> <i>Monika Müllerová, Jadwiga Mazur, Anita Csordás, Dominik Grzadziel, Karol Holý, Tibor Kovács, Krzysztof Kozak, Patrícia Kureková, Erika Nagy, Matej Neznal, Iveta Smetanová</i>
	<b>Radon national archive as a useful tool for developing and updating the national action plan: an example from Italy</b> <i>Francesco Bochicchio, Sara Antignani, Carmen Carpentieri, Marco Ampollini, Gennaro Venoso</i>
15.30 - 16.00	Coffee break, posters
16.00 - 16.20	<b>Radon in workplaces - Czech approach to the EU-BSS implementation</b> <i>Ivana Fojtikova, Ivana Zenata, Jana Timkova</i>
16.20 - 16.40	<b>Radon remediation in Irish schools: a 10 - 17 year follow up survey</b> <i>Gillian Gunning, Stephanie Long, Mark Foley, Eric Finch</i>
16.40 - 17.00	<b>Radon measurements in kindergartens in Ural region (Russia)</b> <i>Aleksandra Onishchenko, Georgy Malinovsky, Aleksey Vasiliev, Michael Zhukovsky</i>
17.00 - 17.20	<b>Preliminary results of Hungarian kindergarten radon survey from the aspect of radon action plan development</b> <i>Katalin Zsuzsanna Szabó, Anita Csordás, Zoltán Sas, Tibor Kovács</i>
17.20 - 17.40	<b>Radon protection in Austrian schools and kindergartens</b> <i>Angelika Kunte, Wolfgang Ringer</i>
17.40 - 18.00	<b>Indoor radon surveys design and implementation: new strategies and approaches reflecting current status of methodological and technological readiness</b> <i>Aleš Froňka, Ivana Fojtíková, Karel Jílek</i>

18.00 - 18.20	<b>Communicating radon</b> <i>Peter Bossew, Ana Paula Fleury de Macedo Soares, Nivaldo Carlos da Silva</i>
	<b>Wednesday, September 14</b>
	<b>Radon in civil engineering</b>
8.40 - 9.00	<b>New approach to the assessment of radon barrier properties of waterproofing materials</b> <i>Martin Jiránek, Zbyněk Svoboda</i>
9.00 - 9.20	<b>New, efficient and generally applicable design of radon-proof insulations – proposal for a uniform approach</b> <i>Martin Jiránek</i>
9.20 - 9.40	<b>Comparison of measures on protection against accidental radiation and indoor radon exposure in Muslyumovo, Techa River</b> <i>Michael Zhukovsky, Iliya Yarmoshenko, Georgy Malinovsky, Evgenia Tolstykh</i>
9.40 - 10.00	<b>Consequences of using homemade radon sources for measuring the radon diffusion coefficient</b> <i>Tomáš Dobrovolný, Martin Jiránek</i>
10.00 - 10.20	<b>Long-term indoor radon measurements in a family house – a case study in Serbia</b> <i>Vladimir Udovicic, Dimitrije Maletic, Jelena Zivanovic, Aleksandar Dragic, Radomir Banjanac, Dejan Jokovic, Sofija Forkapic</i>
10.20 - 10.30 poster presentation	<b>Projection on indoor radon levels in Russia after implementation of national energy efficiency requirements</b> <i>Aleksey Vasilyev, Iliya Yarmoshenko</i>
	<b>Smart system for control and mitigation of residential radon linked with energy efficiency in Romania</b> <i>A. Cucos, T. Dicu, B. Papp, M. Moldovan, B. Burghel, A. Tenter, S. Beldean, T. Catalina, A. Istrate, C. Cosma, C. Sainz</i>
10.30 - 11.00	Coffee break, posters



11.00 - 12.30	Round table topics: Civil engineering, Health effects of radon. National RP
12.30 - 13.40	Lunch break
	<b>Radon - information carrier, radonometry, radon as a tracer gas</b>
13.40 - 14.10	<b>Soil-gas monitoring time-series data for seismogenic studies in Taiwan</b> <i>Vivek Walia, Arvind Kumar, Ching-Chou Fu, Shih-Jung Lin, Kuo-Liang Wen, Cheng-Hong Chen, Kuang-Wu Chou</i>
14.10 - 14.30	<b>Predicting seismic events with unattached radon decay products</b> <i>Naomi Harley</i>
14.30 - 14.50	<b>Multi-year monitoring of radon in boreholes at the Modra geophysical observatory, Slovakia</b> <i>Iveta Smetanová, Gideon Steinitz, Karol Holý</i>
14.50 - 15.10	<b>Radon baseline monitoring in Yorkshire, England</b> <i>Z Daraktchieva, J Wasikiewicz, C Howarth, E J Bradley</i>
15.10 - 15.20 poster presentation	<b><math>^{222}\text{Rn}</math> as a tool for determining CO<sub>2</sub> fluxes from the soil</b> <i>Karol Holý, Monika Müllerová, Veronika Palušová</i>
	<b>Radon concentration in the area of waste rock dumps, Brod, CR</b> <i>Lenka Thinova, Kamila Johnova, Radek Bican, Ales Fronka, Josef Vosahlik</i>
15.20 - 15.50	Coffee break, posters
15.50 - 16.10	<b>The effect of meteorological conditions on diurnal dynamic of atmospheric radon in urban environment</b> <i>Konstantin Antonov, Michael Zhukovsky</i>

16.10 - 16.30	<b>Applications of radon measurements in Altamira cave (Spain)</b> <i>Daniel Rabago, Carlos Sainz, Santiago Celaya, Enrique Fernandez, Luis Quindos, Jorge Quindos, Alicia Fernandez, Ismael Fuente, Jose Luis Gutierrez, Marta Fuente, Luis Santiago Quindos</i>
16.30 - 16.50	<b>Calculating flux to predict future cave radon concentrations and the significance of fault displacement monitoring</b> <i>Matt Rowberry, Xavi Marti, Carlos Frontera, Marco Van De Wiel, Milos Briestensky</i>
16.50 - 17.10	<b>Radon time series modeling based on the continual measurement of radon concentration and related atmospheric parameters</b> <i>Vojtech Stransky, Slavomir Cerny, Lenka Thinova</i>
17.10 - 17.30	<b>Radon from well water as a tracer of deep geology of a volcanic island</b> <i>H. Alonso, T. Cruz-Fuentes, J.G. Rubiano, J. González-Guerra, A. Rodriguez-González, M.A. Arnedo, M.C. Cabrera, F.J. Pérez-Torrado, A. Tereja, P. Martel</i>
17.30	Conference summary and closing ceremony
<b>19.00</b>	Conference <i>Radon 2016 and GARRM</i> dinner, Restaurant U Medvidku