

European Summer School
1 - 5 July 2024 (Strasbourg- Karlsruhe)

**Radiation Measurements and Radiochemistry in Environment and
Decommissioning**

Scientific program

(version 21/06/2024)

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| Monday July 1th : Faculty of Physics and Engineering | |
| 15h - 17h00 | Registration and Poster installation |
| 17h - 18 h00 | Welcome Reception |
| Tuesday July 2th Amphi Carnot - Faculty of Physics and Engineering | |
| 9h00 -9h30 | Opening and Welcome: Prof. Rémi Barillon: Vice President of University of Strasbourg Prof. Luc Hebrard: Dean of Faculty of Physics and Engineering, University of Strasbourg Prof. Abdel-Mjid NOURREDDINE: IPHC Strasbourg |
| 09h30 – 10h30 | Radioactivity, friend or foe of life on earth? Speaker : Dr. Vincent BRETON, Laboratoire de Physique de Clermont-Ferrand, Clermont-Ferrand, France |
| 10h30 - 11h00 | Coffee break and poster session |
| 11h00 - 12h00 | From polonium to nihonium – radiochemical research at the Paul Scherrer Institute Speaker: Prof. Patrick Julian STEINEGGER, Paul Scherrer Institut/ETH Zurich, Switzerland |
| 12h00-13h30 | Lunch |
| 13h30 - 14h30 | Radiation damage studies: fuels and actinides compounds Speaker: Dr. Thierry WISS, JRC, Karlsruhe, Germany |
| 14h30 - 1530 | Chemical decontamination of metallic waste and measurement of radionuclides Speaker: Dr. Tomo SUZUKI, Subatech Laboratory, Nantes, France |
| 15h30 - 16h00 | Coffee break and poster session |
| 16h00 -17h00 | Characterization methodologies and management of radioactive waste at CERN Speaker: Dr. Nabil MENAA CERN , Genève, Switzerland |
| 17h30 – | Social program (welcome reception at the Hotel de Ville) |
| Wednesday July 3th : Karlsruhe Institute of Technology (Germany) | |
| 07h15 | Bus to Karlsruhe Institute of Technology - Institute for Nuclear Waste |
| 09h00 | Arrival at KIT-Campus North entrance |
| 09h30 | Welcome at INE and Introduction Speaker: Prof. Horst GECKEIS, KIT-INE, Karlsruhe, Germany |
| 09h45 | Research towards radioactive waste disposal at KIT-INE Speaker: Prof. Horst GECKEIS, KIT-INE, Karlsruhe, Germany |
| 10h30 | Accelerator Mass spectrometry for radionuclide analysis Speaker: Dr. Francesca QUINTO, KIT-INE, Karlsruhe, Germany |
| 11h15 | Decommissioning of nuclear facilities Speaker: Dr. C. KRAUSS, KIT-TMB, Karlsruhe, Germany |
| 12h | Transfer INE - Casino |
| 12h15 | Lunch |
| 13h45 | Transfer Casino – KARA |
| 14h00 | Visit: Synchrotron based X-ray spectroscopic characterization of radionuclides Speaker: Dr. J. ROTHE, KIT-INE, Karlsruhe, Germany |
| 17h00 | Retour Bus |

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| Thursday July 4th : Amphi Grünewald - Institut Pluridisciplinaire Hubert Curien | |
| 9h30– 10h00 | Welcome and presentation of IPHC Laboratory Speaker: Prof. Sandrine COURTIN, IPHC Strasbourg University, France |
| 10h00-11h00 | Radioactive aerosol metrology, pollutant transfer and measurement Speaker: Dr. Grégoire DOUGNIAUX, IRSN, Saclay France |
| 11h00 - 11h30 | Coffee break and poster session |
| 11h30 – 12h30 | Gamma-ray spectrometry for environmental radioactivity analysis Speaker: Dr. Anne DE VISMES, IRSN, Orsay France |
| 12h30-14h00 | Lunch |
| 14h00 – 18h00 | Experimental works |
| 20h00 – 22h00 | Social program Evening entertainment: Tartes Flambées (Ancienne Douane Restaurant) |
| Friday July 5th : Amphi Carnot - Faculty of Physics and Engineering | |
| 9h00-10h00 | Radiological emergency: how the radiological situation is determined, with a focus on aeroradiometric measurements in Switzerland. Speaker: Dr. Cristina PORETTI, National Emergency Operations Centre, Switzerland |
| 10h00 - 10h30 | Coffee break and poster session |
| 10h30 - 11h15 | Dismantling of Strasbourg research nuclear reactor Speaker: Prof. Benoit GALL, IPHC Strasbourg University, France |
| 11h15 - 12h00 | Radionuclide speciation and transfers in the environment: recent research in radiochemistry and new perspectives from multidisciplinary approaches. Speaker: Dr. Mirella DEL NERO, IPHC, Strasbourg, France |
| 12h00-14h00 | Lunch |
| 14h00 – 15h00 | Report of the United Nations Scientific Committee on the Effects of Atomic Radiation Speaker: Dr. Jing CHEN, Chair of UNSCEAR, former head of the Radiological Impact Section at the Radiation Protection Bureau of Health, Ottawa, Canada |
| 15h00-16h30 | Oral Presentation of experimental work |
| 17h00 | Closing of the European Summer School |