

**Bernd GRAMBOW**

born 1952; German nationality  
languages: German, English, French, Spanish

**Current position**

**Titular professor a IMT Atlantique**, exceptional class

Holder of the **chair of nuclear waste management** at the IMT Atlantique since 2010.

**Current Employer**

IMT Atlantique, 4, rue Alfred Kastler - BP 20 722 - 44307 NANTES CEDEX 3

**Formation**

Baccalaureat 1972, Berlin

Diploma in Chemistry at Freie Universität-Berlin 1979

PhD thesis on nuclear waste glass dissolution mechanism at FU-Berlin/Hahn Meitner Institut Berlin 1984

Habilitation as PhD director: Université de Nantes, France 2000

**Competence**

- General Radiochemistry, Radioprotection
- Safety research for nuclear waste management
- Geochemical modelling
- Chemistry of radionuclides in solution and at interfaces,
- Dissolution of waste forms (glass, spent fuel),
- Mass transfer of radionuclides in natural nanoporous media,
- Nuclear fuel cycle
- Thermodynamics and geochemistry

**Professional experience (Germany, USA, France)**

- 1981-1982 for 1 year exchange scientist at the Pacific Northwest Laboratory, Richland, WA, USA, work on standardisation of leach tests
- 1982-1984 research scientist on nuclear waste glass dissolution mechanism at Hahn Meitner Institut Berlin
- 1984-1989 self employed scientist consulting SKB, GSF, US-DOE in nuclear waste glass modelling
- 1990-1993 Research scientist at Forschungszentrum Karlsruhe, INE (today KIT). Build up of a group on uranium chemistry, on high level nuclear waste glass and spent nuclear fuel dissolution
- 1993-1998 group leader (20 persons) in the area of nuclear waste management at FZK (today KIT)
- 1998-2010 : Head of the radiochemistry group at SUBATECH.
- 2010- Member of permanent group at the French nuclear safety authority
- 2010-2018 Director of SUBATECH, a laboratory with a staff of 190 in the area of high-energy nuclear physics and radiochemistry
- 2010-2013 Director of PACEN/NEEDS, French research program in the area of nuclear energy and the fuel cycle, involving 100 laboratories, industry and academic institutions
- 2015- Group leader "reaction field chemistry" at Advanced Science Research Center, JAEA, Japan (currently 16 group members)
- 2016-2019 Coordinator of European research entities in European joint programming of nuclear waste disposal research, member of project management office of EURAD
- 2019- Member of the project management office of EURAD
- 2019- President of the comité of experts of I2EN

**172 Publications rang A, 1 book, 4 book chapters, direction of 24 doctoral thesis**

Nuclear Waste management, environmental radioactivity, Radiation effects at solid/liquid interfaces, radionuclide chemistry, thermodynamics, sorption, geochemical and transport modelling, backend of the fuel cycle, future nuclear energy systems

**Distinctions**

Grand Prix Ivan Peychès 2008 of The French Academy of Science

2013: Knight of the Order of Academic Palms, attributed by the French Prime Minister

2018 Professor H.C. of the Frumkin Institut of Physical Chemistry and Electrochemistry of the Russian Academy of Science (IPCE RAS) on behalf of the ministry of Science and higher education of the Russian Federation.

