

Peter Bode has a degree (1971) in chemical technology at the Delft University of Technology, and a doctor's degree (1996, on "Instrumental and Organizational Aspects of a Neutron Activation Analysis Laboratory") from the same university. He is Associate Professor for Nuclear Science and Engineering in the Department Radiation, Radionuclides and Reactors of the Faculty of Applied Physics of the Delft University of Technology. He has been involved in the development and optimization of instrumental neutron activation analysis (INAA). His current research interests are with INAA of very large (kg-scale) samples, INAA for metal metabolism studies in man and animal, the use of human and animal bioindicators, non-invasive element speciation using perturbed angular correlation spectrometry and recoil chemistry for medical radioisotope production. He is co-holder of a patent for the production of high specific activity, carrier-free ^{99}Mo , and of two other patents for radioisotope production and radioisotope generators.

His laboratory for INAA was the first in the world with an accreditation for the quality management system. He is one of the initiators introducing the potentials of NAA within the world of metrology in chemistry, resulting in 2007 of having NAA designated by the CCQM as a primary method of measurement. The International Atomic Energy Agency (IAEA) regularly invites him as an advisor and as an expert in nuclear analytical techniques and quality assurance, as well as for education of IAEA supported research fellows and scientific visitors. He provided for the IAEA more than 40 courses in all continents on the principles of quality assurance and quality management. He is member of the Hevesy Laureates editorial board of J.Radioanal.Nucl.Chem. and member of the Inorganic Analytical working group of the BIPM/CCQM, and Associate member of the Analytical Division (Division V) of IUPAC, member of the IUPAC Interdivisional Working Party for Harmonization of Quality Assurance and member of the IUPAC working group on revision of the Orange Book, Glossary of Terms used in Nuclear Analytical Chemistry.

Dr. Bode published about 165 scientific papers in peer reviewed journals and about 190 additional contributions in journals, books, (internet) encyclopedia and conference proceedings. He is advisor of the International Atomic Energy Agency on nuclear analytical techniques and quality assurance. He participates in the postgraduate program on Metrology at the Universidade de São Paulo in Brazil since 2005. Co-recipient in 2002 of the Brazilian Prêmio de Excelência em Metrologia. Co-recipient of the 2011 Delft Innovation Award for the Chemical Separation of ^{99}Mo from ^{98}Mo .

Dr. Bode is recipient of the George Hevesy Medal Award 2011 "In recognition of his leadership in quality assurance and laboratory accreditation, large-sample neutron activation analysis, and widespread educational efforts in nuclear science".



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