



Current position

Head of the Division “Nuclear Safeguards and Security” at Institute of Energy and Climate Research (IEK-6) Nuclear Waste Management, FZJ (since 2018)

Previous positions (two selected)

Head of the Group “International Safeguards” at IEK-6, FZJ (2010-2018)

Assistant Professor “Geomonitoring” at TU Bergakademie Freiberg (2002-2008)

Scientific degree

Dr. rer. nat. (PhD) in Geography, University of Bonn (2000)

Recent research topics

Safeguards methods and techniques for interim storage and final disposal of highly radioactive waste, Systems based verification, Data science

Honors, memberships

President, European Safeguards Research and Development Association (2017-2018)
Member at Large, Institute of Nuclear Materials Management (2018-2019)

Publications (5 most important)

- C. Listner, **I. Niemeyer**, M. J. Canty, G. Stein, A strategic model for State compliance verification, *Nav. Res. Log.* 63, 260 (2016) <https://doi.org/10.1002/nav.21689>
- **S. Neumeier, R. Middendorp, A. Knott, M. Dürr, M. Klinkenberg**, et al., Microparticle production as reference materials for particle analysis methods in safeguards, *MRS Adv.* 3, 1005 (2018) <https://doi.org/10.1557/adv.2018.166>
- **T. Krieger, K. Aymanns**, A. Rezniczek, **I. Niemeyer**, Optimal sampling plans for inventory verification of spent fuel ponds, *ESARDA Bull.* 58 (2019)
- **K. Aymanns, I. Niemeyer**, A. Rezniczek, A. Jussofie, Sealing systems in German spent fuel storage facilities, *ESARDA Bull.* 55, 39 (2017)
- B.W. Moran, M. Davainis, **I. Niemeyer**, D. Hanks, R.J. Finch, et al., International safeguards for spent fuel encapsulation and geological repository facilities. *Proc. INMM Annual Meeting* (2018)