

INVITED TALK: Emerging social, scientific and legislative triggers for the application and development of LLRMT resolving NORM issues

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Content

For precise activity measurement of NORM, innovative systems must be used to comply with the scientific and legislative requirements in the norm field. Additionally, accurate and reliable measurements are needed to help the industry in the selection of adequate raw materials for safe processing and products which comply with the radiation protection requirements. Precise measurements of natural radionuclides in NORM waste will also support a reduction in disposal costs through optimisation of the NORM material processing. This talk focuses on current and emerging social, scientific, legislative, economical and metrological requirements for NORM measurements. To ensure correct and accurate measurement, all measurement systems must be calibrated in a traceable way with calibration standards and reference materials that are adapted in an appropriate manner to the real composition and geometry of measured materials. Special consideration is given to low-level radionuclide metrology and low-level activity measurement techniques in the NORM field with adequate measurement time and measurement uncertainties.

About the Presenter

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