Call for interest in BIPM qNMR Summer School (2024)

A qNMR Summer School at the BIPM Headquarters is provisionally planned for 24-28 June 2024 for NMR practitioners in NMIs to enhance their knowledge and skills in qNMR as a robust methodology for the value assignment of organic reference materials. The onsite course will provide a hands-on training opportunity and accompanies the online knowledge transfer modules that will be available on BIPM’s eLearning platform in 2024.

The course is suitable for scientists at NMIs that already have practical experience in the use of NMR and access to a spectrometer within their home institute. There is no charge for the course, but travel and accommodation costs will need to be met by participants.

Potential participants can register their interest by completing the following form before 31 August 2023. Registration for the course is planned to open at the end of 2023. Space is limited to 12 participants.

Description of course:

- Led by experienced external instructors from National Metrology Institutes and the BIPM
- qNMR sample preparation
- NMR spectrometer set-up for qNMR
- Use of MNova software for data processing and analysis
- qNMR of different types of samples and nuclei (1H, 19F and 31P)
- Choice of suitable internal standards
- Measurement uncertainty
- Alternative calibration methods
- 2D NMR for impurity confirmation
- Use of orthogonal techniques to correct qNMR results