



PhD course on Hydration and microstructure characterization of cementitious materials

10.08. - 14.08.2026

🎓 Doctoral Course

Are you new to the field of cement research and aiming to become an expert in the microstructural analysis of cementitious materials?

This course offers a unique combination of theory, practice, and networking in a modern research environment:

- ✅ Learn from leading experts in modern laboratories, using one of the most modern research and training facilities in Europe
- ✅ Understand both theoretical fundamentals and practical application of key analytical techniques
- ✅ Avoid common beginner mistakes in sample preparation (e.g., storage, homogenization)
- ✅ Gain hands-on insight into operating and interpreting XRD, TGA, FTIR, NMR, calorimetry, ...

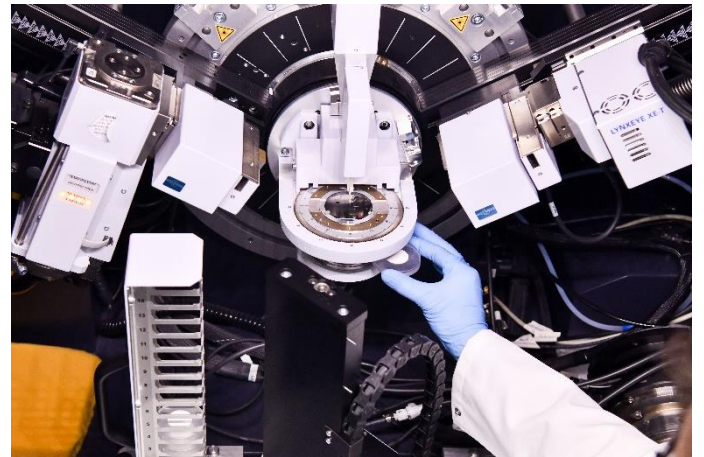
💡 Build your network

- ✅ Work on real-world case studies in interactive group sessions
- ✅ Exchange ideas with fellow PhD students from different institutions
- ✅ Expand your professional network during social events in a beautiful Bavarian setting

💡 Tip: Extend your stay and enjoy sightseeing in Munich - one of Europe's most beautiful cities

📄 Registration & contact

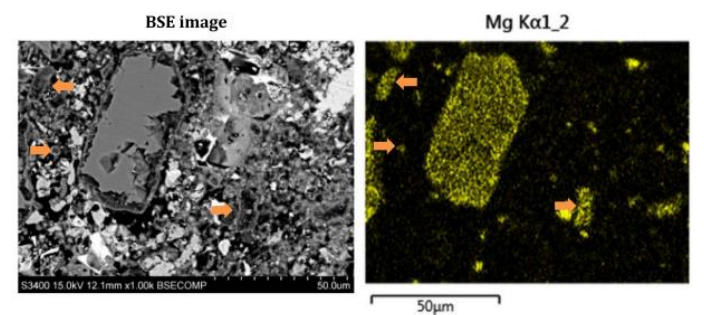
<https://www.mae.ed.tum.de/cbm/professur-mineral-construction-materials/phd-course/>



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Machner et al. (2018), CCR

