



2nd μ CT Symposium @ TU Graz

February 14, 2024

Lecture Hall P2, Petersgasse 16, ground floor

► <https://www.tugraz.at/projekte/gmct/news>

pictures: Micro-CT images and 3D simulation.
<https://doi.org/10.1016/j.ijbiomac.2023.127386>

On Wednesday February 14 2024 we will have the 2nd μ CT Symposium at TU Graz.

The symposium will take place in Lecture Hall P2 in the ground floor of the physics building.

Everybody interested in μ CT results is welcome. The symposium will start at 9:00 and we will finish at about 17:00.

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Program

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|---------------|--|
| 09:00 - 09:15 | Welcome, μCT Graz
Robert Schennach |
| 09:15 - 09:35 | Measuring air bubble distribution in UHPC by μCT
Dirk Schlicke |
| 09:35 - 09:55 | Influence of setting accelerator and spraying method on the porosity of shotcrete
Isabel Galan Garcia |
| 09:55 - 10:15 | Multiscale tomography with x-rays and electrons
Tatiana Kormilina |
| 10:15 - 10:40 | <i>Coffee Break</i> |
| 10:40 - 11:00 | The Inner Geometry of Trees
Albert Wiltsche |
| 11:00 - 11:20 | Investigations on the void volume characteristics in feminine hygiene tampons
Thomas Harter |
| 11:20 - 11:40 | Towards understanding Optimal Battery Recycling Processes
Michael Mitterlindner |
| 11:40 - 12:00 | Frontiers of microCT applications - An insight into the CT laboratories operating in Hungary
Andras Kovacs |
| 12:00 - 13:00 | <i>Lunch Break</i> |

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- 13:00 - 13:20 **Material analysis for chemical looping hydrogen with μ CT**
Fabio Blaschke
- 13:20 - 13:40 **Applications of micro-CT in Biotechnology: Opportunities and Challenges**
Regina Kratzer, Manuel Eibinger
- 13:40 - 14:00 **Characterisation of defects due to electron beam welding of Cu and Ni alloys**
Fernando Warchomicka
- 14:00 - 14:20 **Structural analysis of surfactant doped polyaniline coatings for functionalized fuel cell GDLs**
Merit Bodner
- 14:20 - 14:50 *Coffee Break*
- 14:50 - 15:10 **μ CT stories that should be told**
Eduardo Machado
- 15:10 - 15:30 **Radiation damage: how much radiation do we actually produce in a μ CT?**
Robert Schennach
- 15:30 - 15:50 **What is inside Aluminium as cast alloys?**
Cecilia Poletti
- 15:50 - 16:10 **In-situ μ CT uptake study of solvents in paper**
Maximilian Fuchs
- 16:10 - 16:30 **CD Laboratory for waste-based geopolymer construction materials:
physicochemical material properties – applications – environmental characterization**
Cyrill Valazza - Grengg



Graz micro computed Tomography Consortium

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