


In October 2013 a workshop, organized by Metrology & Quality Assurance at DTI and Innovation Centre Denmark in Munich, on Industrial CT Scanning was held at TUM (Technische Universität München), which also were the local organizers (Franz Pfeiffer, Biomedical Physics). The workshop received financial support from the Danish Agency for Science, Technology and Innovation.

The workshop started as a German-Austrian-Danish initiative for bringing a group of researchers within the field of CT Scanning together for discussing possible new collaborations and projects within the Horizon 2020 programme. However, researchers and industry from other countries also showed interest and the workshop also had participants from Sweden, Poland, Italy and Great Britain  Update - German-Austrian-Danish Workshop on industrial CT Scanning (398 KB)

To give the participants, and especially those that were rather new within the field of CT Scanning, a better overview of the field, Peter B. Noël from Department of Diagnostic and Interventional Radiology at TUM gave an introductory lecture Wednesday afternoon called 'Development of Computed Tomography over the last decades'.

Thursday and Friday were days filled with presentations, posters and discussions, as well as some social activities. There were presentations and posters addressing the latest development of hardware in the CT Scanning field, such as new x-ray sources and new detectors, and how these can improve results, as well as open up for new applications. The field of reconstruction and software was also addressed, showing how one can for example use simulations and former CT scan results to optimize images and 3D visualisations.

Within the area of applications, the presentations and posters showed results from a whole range of different areas, going from food applications to medical applications, as well as material characterisation and metrology. There were also presenters addressing the issue of standardization and participants from industry that showed how CT Scanning can be used in a more practical way in production.

