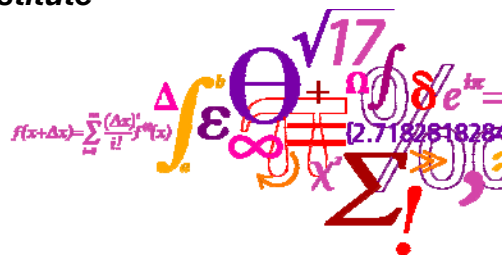


"Industriell anvendelse af CT scanning"

" Application of CT scanning in industry"

**Danish Technological Institute
Conference Hall
31st May 2011**



DTU Mekanik
Institut for Mekanisk Teknologi

"Application of CT scanning in industry"

This conference gives the latest update on **CT scanning** with special focus on **industrial** measurements and quality assurance.



Centre for Industrial Application of CT scanning (CIA-CT)



Project co-funded by the Ministry of Science, Technology and Innovation



- Centre of Excellence
- Dissemination
- Collaboration
- 5 research projects
- Initiation of new activities



Project coordinator: DTU Mekanik

Project duration: 4 years (1st Sep. 2009 – 31st Aug. 2013)

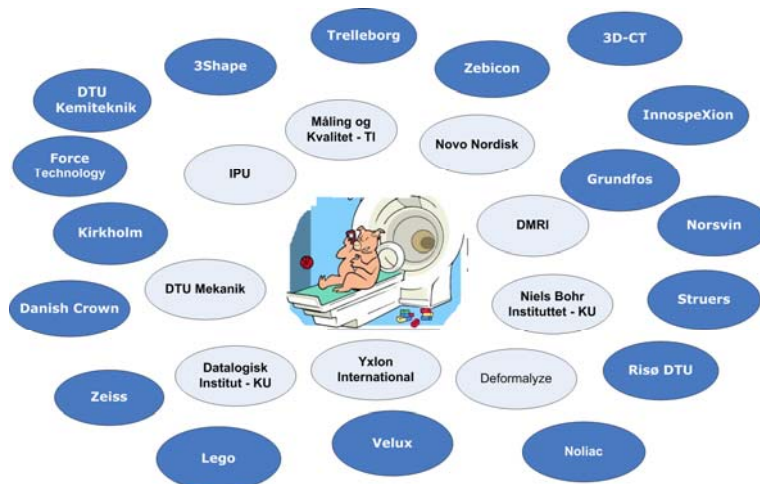
Project budget: 4 M€

Centre for Industrial Application of CT scanning (CIA-CT)



Project network

Project coordinator: DTU Mekanik



Research activities

| | | Companies | | | |
|----------|--|-----------|-------|-----------|----------|
| | | Medico | Food | Equipment | Software |
| Projects | 1) CT scanning for coordinate metrology | Blue | Green | | Red |
| | 2) Data processing for high speed scanning | Blue | Green | | Red |
| | 3) New beam sources & signal conditioning | Blue | Green | Yellow | |
| | 4) Equipment with high stability beam source | | | Yellow | Red |
| | 5) Quality assurance and automation | Blue | Green | Yellow | Red |


Project dissemination




- Seminars
- Contact data base
- Half yearly newsletter (May & November)
- Leaflets
- Posters



- Web page:
www.cia-ct.mek.dtu.dk

| Program (morning) | |  |
|--------------------------|---|---|
| 09.00 | Welcome to Danish Technological Institute | <i>M. Holmberg</i> |
| 09.15 | Introduction | <i>L. De Chiffre</i> |
| 09.30 | Improving the Production using X-Ray Computed Tomography - Potentials and Challenges | <i>R. Schmitt</i> |
| 10.10 | Coffee Break | |
| 10.40 | Measuring micro features with dense point clouds – Scanning with tomography, microprobes and laser | <i>D. Ferger</i> |
| 11.00 | Nano- and Microtomography for materials science | <i>B. Pauwels</i> |
| 11.20 | Industrial Computer Tomography and Precision | <i>C. Reihart</i> |
| 11.40 | Automating Analysis | <i>M. Vester-Christensen, S. Erbou</i> |
| 12.00 | Lunch | |
| 7 | Ternadag "Industrielt anvendelse af CT scanning" | De Chiffre DTU 8. juni 2010 |

| Program (afternoon) | |  |
|----------------------------|--|---|
| 13.00 | Aspects of traceability of dimensional CT measurements | <i>M. Bartscher</i> |
| 13.20 | International round robin on dimensional computed tomography | <i>S. Carmignato</i> |
| 13.40 | CT Metrology – CT Round Robin | <i>J. Angel</i> |
| 14.00 | Coffee break | |
| 14.30 | Image Analysis for Volumetric Industrial Inspection and Interaction | <i>R. Larsen</i> |
| 14.50 | CT scanning strategy: Prediction of image quality | <i>J. Hiller</i> |
| 15.10 | Influence Parameters in CT scanning | <i>P. Müller</i> |
| 15.40 | Coffee break | |
| 16.00 | Measurement of micro moulded parts by Computed Tomography | <i>J. A. Y. Fabra</i> |
| 16.20 | Accuracy in biology | <i>L. Bager Christensen</i> |
| 16.40 | Summary and Closing by M. Holmberg | |

ENJOY THE CONFERENCE! GOD FORNØJELSE!

