



**7th CIA-CT Conference on
“Industrial Applications of Computed
Tomography”**

June 13, 2019, 10:00-16:30
Building 101A, Meeting room 1
Technical University of Denmark
Anker Engelunds Vej 1
2800 Kgs. Lyngby, Denmark

Program

**Invitation to the 7th CIA-CT Conference on
“Industrial Applications of Computed
Tomography”**

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Following a successful line of conferences started in 2010, this 7th conference gives the latest update on the use of Computed Tomography (CT) for dimensional metrology in industry. The conference program includes 11 invited presentations by international experts and industrial users of CT. Challenges and solutions related to the use of CT in connection with Industry 4.0, additive manufacture, medical implants, quality assurance, micro injection molding, multi material components, etc. will be illustrated.

The presentations are brief and focused, and the conference provides an intensive course on the subject of industrial applications of CT.

Registration to the conference by June 10, 2019 at the following link:

<https://dtumekanik.conferencemanager.dk/?eventcode=All%20registrations>

Conference fee: DKK 1850 - EUR 250

The fee includes conference material, lunch and coffee breaks. The fee is tax-free.

For further information, contact Mrs. Pia Holst Nielsen
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We look forward to seeing you at the conference!

www.cia-ct.mek.dtu.dk

www.dtu.dk

9.30-10.00	Registration and coffee	
10.00-10.20	Welcome and introduction	Leonardo De Chiffre, DTU Mekanik, Denmark
	Session on “Computed Tomography for industrial applications”	
10.20-10.50 1	Industry 4.0 – an introduction to its meaning and to the challenges and chances for industrial CT	Sven Gondrom-Linke, VG, Germany
10.50-11.00	Break	
11.00-11.20 2	CT solutions for Additive Manufacturing	Emil Meinild Christensen, Teknologisk Institut, Denmark
11.20-11.40 3	CT in the manufacturing chain of AM medical implants	Anne-Françoise Obaton, LNE, France
11.40-12.00 4	Computed Tomography for quality assurance in the pharmaceutical industry	Lorenzo Carli, Novo Nordisk, Denmark
12.00-13.10	Lunch	
13.10-13.30 5	Industrial use of advanced CT facilities through DTU Imaging portal	Carsten Gundlach, DTU Physics, Denmark
13.30-13.50 6	Towards automation of dimensional measurements using CT	Tristan Schubert, Werth, Germany
13.50-14.10	Break	
	Session on “Computed Tomography for dimensional metrology”	
14.10-14.30 7	Latest Advances in the Characterization of Micro Polymer Components by Micro Computed Tomography	Guido Tosello, DTU Mekanik, Denmark
14.30-14.50 8	Dimensional measurements on multi-material components	Fabricao Borges de Oliveira, PTB, Germany
14.50-15.10 9	Segmentation-free geometrical verification of AM components using Computed Tomography	Giovanni Moroni, Politecnico di Milano, Italy
15.10-15.20	Break	
15.20-15.40 10	Challenges and solutions in the measurement of form using Computed Tomography	Jan Lasso Andreasen, Novo Nordisk, Denmark
15.40-16.00 11	Roughness characterisation inside conformal cooling channels in AM moulds	Christopher G. Klingaa, DTU Mekanik, Denmark
16.00-16.30	Closure	