

## CURRICULUM VITAE

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## DEGREES

Ph.D. in Mechanical Engineering, Technical University of Denmark (DTU)	Lyngby, Denmark	2014
M.Sc. in Mechanical Engineering, Middle East Technical University (METU)	Ankara, Turkey	2011
B.Sc. in Mechanical Engineering, Middle East Technical University (METU)	Ankara, Turkey	2008

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## PROFESSIONAL EXPERIENCE

2014- *Assistant Professor*, Fac. of Engineering Technology, University of Twente, The Netherlands  
Processing and performance of fiber reinforced polymer composites  
2013- 2014 *Visiting Researcher*, Fac. of Engineering Technology, University of Twente, The Netherlands  
2011- 2014 *PhD Fellow*, Dept. of Mechanical Engineering, Technical University of Denmark, Denmark  
2008- 2011 *Design & Manufacturing Engineer*, Defense Industry Main Maintenance Center, Turkey

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## RESEARCH INTERESTS

Processing of fiber reinforced composites  
Damage and defect modelling in composites  
Mathematical modelling of multi-physics problems  
Development and application of advanced computational methods

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## TEACHING (since 2014)

Faculty of Engineering Technology, University of Twente (UTwente), The Netherlands

- M.Sc. program: 112172 Design, Production and Materials (5 ECTS, English) ~ 100 students
- M.Sc. program: 115570 Solids & Surfaces (5 ECTS, 50% of course, English) ~ 25 students
- B.Sc. program: Workshop on Injection Molding Simulations using Autodesk Moldflow ~ 50 students

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## SUPERVISION (since 2014)

Supervision of 5 PhD (3 at UTwente, 2 at DTU), 1 researcher, 7 MSc and 2 BSc students at UTwente

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## ACADEMIC ACTIVITIES

- *Advisory and editorial board member* of Journal of Advances in Mechanical Engineering (SAGE)
- *Scientific board member* of European Conference on Composite Materials (ECCM)
- *Member of Twente Centre for Scientific Computing*
- *Reviewer* for international journals in the field of composite materials and mechanical engineering

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## PUBLICATIONS

60 [publications](#) in total: 2 theses, 1 book, 1 book chapter, 27 articles in international journals with review, 27 articles in international conference proceedings with review, 2 articles in national conference proceedings.

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## INVITED TALKS & SEMINARS

- Seminar “*Modelling the Pultrusion Process*”, Annual Meeting of PlustIndustrien Composite Section, Denmark, June 2015
- [DCAMM Seminar “Residual Stresses in Polymer Composites: Numerical Modelling of Process and Product Performance”](#), Technical University of Denmark, Denmark, June 2015
- Plenary lecture “*Thermo-chemical-mechanical Modelling of the Pultrusion Process*”, ESAFORM, April 2015
- Seminar “*Numerical Modelling of the Thermosetting Pultrusion Process*”, University of Leoben, Austria, April 2015

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## AWARDS & PRIZES

- “[ESAFORM PhD Prize for Industrial Research 2015](#)”, European Scientific Association for Material Forming
- “[Young Scientist Award 2014](#)”, The Danish Plastics Federation – Composites Section, Denmark
- *Finalist* “[ECCOMAS Best PhD Thesis Award 2014](#)”, ECCOMAS

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## GRANTED PROJECTS

- “Modeling the multi-physics in resin injection pultrusion of complex industrial profiles” (2016-2020)– k€650
- “Towards 3D printing of continuous fiber reinforced thermoplastics” (2016-2019) – k€32,5

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## LANGUAGES

English (fluent), Dutch (beginner-intermediate), German (beginner), Turkish (Native)