


MTET TOPIC 1: PHOTOVOLTAICS AND WIND ENERGY

Subtopic 1.1: Wind Energy Technology

Dr. Thorsten Schwarz		<i>ORCID: 0000-0003-1034-6120</i>
	Current position	Head of Division Helicopters, Institute of Aerodynamics and Flow Technology, DLR (since 2010)
	Previous positions (two selected)	PhD Scholarship, Institute of Aerodynamics and Flow Technology, DLR (1997-2001) Scientist, Institute of Aerodynamics and Flow Technology, DLR (2001-2009)
	Scientific degree	Dr.-Ing. (PhD) in Mechanical Engineering, TU Braunschweig (2005)
	Recent research topics	Wind Turbine Aerodynamics, Helicopter Aerodynamics and Aeroacoustics
Awards, honors, memberships	Ludwig Bölkow-Stiftungspreis, Deutsche Gesellschaft für Luft- und Raumfahrt – Lilienthal-Oberth e.V, 1998	
Publications (5 most important)		
<ul style="list-style-type: none">• T. Kühn, A. Altmikus, H. Daboul, A. Radi, S. Raasch, et al., Results of the research project AssiSt <i>J. Phys.: Conf. Ser.</i> 1037 (2018) doi:10.1088/1742-6596/1037/2/022040• M. Wentrup, J. Yin, P. Kunze, T. Streit, J.-H. Wendisch, et al., An overview of DLR compound rotorcraft aerodynamics and aeroacoustics activities within the CleanSky2 NACOR Project <i>Proc. AHS Forum</i> 74, 14-17 (2018)• T. Schwarz, M. Wentrup, G. Wilke, The efficient use of CFD in Rotorcraft Optimization <i>Proc. AIAA SciTech Forum</i> (2017)• P. Beaumier, T. Schwarz, Future CFD Tools for Rotorcraft: a DLR-ONERA vision <i>Proc. Rotorcraft Virtual Engineering Conference</i> (2016)• T. Schwarz, K. Pahlke, Generation of an advanced helicopter experimental aerodynamic data base for CFD validation – The European GOAHEAD project, <i>AEROSP SCI TECHNOL</i> 19(1) 1-2 (2012) doi:10.1016/j.ast.2011.09.007		