

Workshop: DAAD–Online–School-2020:

smARTerials - Smart Artificial Materials –

digitally engineered Termine

WiSe 2020/21

Mo , 26.10.2020 16:00 - 19:00 (Workshop)	Kick-Off Exchange Programs (Prof. Stavroulakis, Sidiropoulou & Dr. Böhrnsen)
	<ul style="list-style-type: none">• Welcome and Online Program (Prof. Stavroulakis & Dr. Böhrnsen)• Erasmus Program (Sidiropoulou)• DAAD Programs (Sidiropoulou)
Mi , 28.10.2020 16:00 - 19:00 (Workshop)	Mechanics (Prof. Dr.-Ing. Markus Böl)
	During the DAAD Summer School 2020 Mechanics Workshop, Prof. Böl will address various topics of solid mechanic research at the TU Braunschweig. The main focus will be on the following topics: - Biomechanics - Experimental methods, especially related to biomechanics - Material model development
Fr , 30.10.2020 16:00 - 19:00 (Workshop)	TU Braunschweig Presentation (Sidiropoulou)
	<ul style="list-style-type: none">• Presentation of the City• Presentation of the University• Living and Study in Germany
Mo , 02.11.2020 16:00 - 19:00 (Workshop)	Software Development (Dr.-Ing. Jan Linxweiler)
	During the DAAD Summer School 2020 Softwaredevelopment Workshop, Dr. Linxweiler will address various topics of softwaredevelopment research at the TU Braunschweig. The main focus will be on the following topics: - Reasearch Software Engineering (RSE) - Object Oriented Analysis and Design - Software Development Principle and Practices (SOLID Principles) - Test Driven Development (TDD)
Mi , 04.11.2020 16:00 -	Acoustics (Prof. Dr.-Ing. Sabine Langer)

19:00 (Workshop)	
	<p>During the DAAD Summer School 2020 Acoustics Workshop, Prof. Langer will address various topics of acoustics research at the TU Braunschweig.</p> <p>The main focus will be on the following topics:</p> <ul style="list-style-type: none"> - Sound & Vibration - Tailoring Acoustic Materials - Acoustic Metamaterials
Fr , 06.11.2020 16:00 - 19:00 (Workshop)	
Mo , 09.11.2020 16:00 - 19:00 (Workshop)	Additive Manufacturing (Dr.-Ing. Hagen Watschke)
	<p>During the DAAD Summer School 2020 3D Printing Workshop, Dr. Watschke will address various topics of 3D Printing research at the TU Braunschweig.</p> <p>The main focus will be on the following topics:</p> <ul style="list-style-type: none"> - Design for Additive Manufacturing (DfAM) - Potentials and restrictions of AM - Rapid Manufacturing (RM)
Mi , 11.11.2020 16:00 - 19:00 (Workshop)	Additive Manufacturing (Dr.-Ing. Hagen Watschke)
	<p>During the DAAD Summer School 2020 3D Printing Workshop, Dr. Watschke will address various topics of 3D Printing research at the TU Braunschweig.</p> <p>The main focus will be on the following topics:</p> <ul style="list-style-type: none"> - Design for Additive Manufacturing (DfAM) - Potentials and restrictions of AM - Rapid Manufacturing (RM)
Fr , 13.11.2020 16:00 - 19:00 (Workshop)	Simulations (Prof. Georgios Stavroulakis (TUC))
	<p>Georgios Stavroulakis, TUC, 'Data-driven, neural network assisted, direct and inverse analysis'</p> <p>Manolis Maravelakis, HMU, "Digitising Cultural Heritage: Technologies and Case Studies"</p> <p>Georgios Tairidis, TUC, "Shunted piezocomposites"</p> <p>Nikolaos Papadakis, TUC-HMU, "Handclaps for acoustic measurements"</p> <p>Ioannis Ntintakis, TUC-HMU, 'The effect of Topology Optimization in 3d printed furniture (and product) design process'</p> <p>Arampatzis, TUC, 'AM towards circular manufacturing transformation of future factories'</p>
Mo , 16.11.2020 16:00 - 19:00 (Workshop)	Simulations (Prof. Georgios Stavroulakis (TUC))

	<p>Georgios Stavroulakis, TUC, 'Data-driven, neural network assisted, direct and inverse analysis'</p> <p>Manolis Maravelakis, HMU, "Digitising Cultural Heritage: Technologies and Case Studies"</p> <p>Georgios Tairidis, TUC, "Shunted piezocomposites"</p> <p>Nikolaos Papadakis, TUC-HMU, "Handclaps for acoustic measurements"</p> <p>Ioannis Ntintakis, TUC-HMU, 'The effect of Topology Optimization in 3d printed furniture (and product) design process'</p> <p>Arampatzis, TUC, 'AM towards circular manufacturing transformation of future factories'</p>
<p>Mi , 18.11.2020 16:00 - 19:00 (Workshop)</p>	<p>Additive Manufacturing (Dr.-Ing. Hagen Watschke)</p>
	<p>During the DAAD Summer School 2020 3D Printing Workshop, Dr. Watschke will address various topics of 3D Printing research at the TU Braunschweig. The main focus will be on the following topics:</p> <ul style="list-style-type: none"> - Design for Additive Manufacturing (DfAM) - Potentials and restrictions of AM - Rapid Manufacturing (RM)
<p>Fr , 20.11.2020 16:00 - 19:00 (Workshop)</p>	<p>Closing (Prof. Stavroulakis, Sidiropoulou & Dr. Böhrnsen)</p>
	<p>Final information about exchange programs and further steps. Evaluation</p>