



Transilvania  
University  
of Brasov

## ADMISSION TO DOCTORAL STUDIES

2020-2021

Session September 2020

Interdisciplinary Doctoral School  
(SDI)

Field of doctoral studies:  
MECHANICAL ENGINEERING  
PhD supervisor:  
Prof.dr.eng. Horatiu Teodorescu-Draghicescu

### TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC 1: Contributions to the study of composite structures with various applications

Recommended bibliografy:

1. L. Tong, A.P. Mouritz, M.K. Bannister – 3D Fibre Reinforced Polymer Composites, Elsevier, 2002, ISBN 0-08-043938-1
2. D. Zenkert – The Handbook of Sandwich Construction, EMAS Publishing, 1997, ISBN 978-0-947817-96-1
3. H. Teodorescu – Fundamentele și mecanica materialelor compozite polimerice, Editura Universității Transilvania din Brașov, 2007, ISBN 978-973-635-878-4 (in Romanian)

TOPIC 2: Contributions to the mechanics of fibre-reinforced composite materials

Recommended bibliografy:

1. L. Tong, A.P. Mouritz, M.K. Bannister – 3D Fibre Reinforced Polymer Composites, Elsevier, 2002, ISBN 0-08-043938-1
2. D. Zenkert – The Handbook of Sandwich Construction, EMAS Publishing, 1997, ISBN 978-0-947817-96-1
3. H. Teodorescu – Fundamentele și mecanica materialelor compozite polimerice, Editura Universității Transilvania din Brașov, 2007, ISBN 978-973-635-878-4 (in Romanian)

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