

## ADMISSION TO DOCTORAL STUDIES

Session September 2025

Field of doctoral studies: **MECHANICAL ENGINEERING**

Doctoral supervisor: **Teodorescu-Drăghicescu Horaţiu**

### TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

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

##### **Recommended bibliography:**

1. P.K. Mallick – Fiber-Reinforced Composites: Materials, Manufacturing and Design, CRC Press, 2007, ISBN-13: 978-0-8493-4205-9
2. L. Tong, A.P. Mouritz, M.K. Bannister – 3D Fibre Reinforced Polymer Composites, Elsevier, 2002, ISBN 0-08-043938-1
3. D. Zenkert – The Handbook of Sandwich Construction, EMAS Publishing, 1997, ISBN 978-0-947817-96-1

☒ **Scientific Doctorate (full-time only)**

☐ **Professional Doctorate (full-time or part-time)**

☒ **without tuition fee (state budget funded)**

☐ **with tuition fee or with funding from other sources than the state budget**

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

##### **Recommended bibliography:**

1. P.K. Mallick – Fiber-Reinforced Composites: Materials, Manufacturing and Design, CRC Press, 2007, ISBN-13: 978-0-8493-4205-9
2. L. Tong, A.P. Mouritz, M.K. Bannister – 3D Fibre Reinforced Polymer Composites, Elsevier, 2002, ISBN 0-08-043938-1
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Doctoral supervisor,

Coordinator of the field of doctoral studies,

Prof. Dr. Eng. Horațiu Teodorescu-Drăghicescu

Signature

Prof. Dr. Eng. Maria Luminița Scutaru

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