

Autorul tezei de abilitare: Conf.dr.ing. Horațiu TEODORESCU-DRĂGHICESCU

Titlul tezei de abilitare: Contribuții la mecanica materialelor compozite polimerice

Domeniul: Inginerie Mecanică

LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE

1. **Teodorescu-Drăghicescu, H.**, Vlase, S. – Homogenization and Averaging Methods to Predict Elastic Properties of Pre-Impregnated Composite Materials. Computational Materials Science (COMP MATER SCI), Vol. 50, Issue 4, February 2011, ISSN: 0927-0256, Elsevier, p. 1310-1314, Proceedings of the 19th International Workshop on Computational Mechanics of Materials - IWCMM 19, Edited by Eduard-Marius Craciun, Nicolae Peride and Siegfried Schmauder. FI=1,879 <http://www.sciencedirect.com/science/article/pii/S0927025610002533>
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6. Stanciu, A., **Teodorescu-Drăghicescu, H.**, Vlase, S., Scutaru, M.L., Călin, M.R. - Mechanical Behavior of CSM450 and RT800 Laminates Subjected to Four-Point Bend Tests, Optoelectronics and Advanced Materials – Rapid Communications (OPTOELECTRON ADV MAT), Vol. 6, Issue 3-4, March-April 2012, INOE Publishing House, p. 495-497, ISSN: 1842-6573. FI=0,449
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TEZA DE DOCTORAT

1. Contribuții la creșterea capacității de încărcare a tuburilor din materiale compozite plastice armate cu fibre prin introducerea de tensiuni interne suplimentare. Cond. științific: Prof. Dr. Ing. Ioan GOIA, Universitatea Transilvania din Brașov, 2001. Domeniul tezei de doctorat: Inginerie Mecanică

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1. Scutaru M.L., Corneliu Cofaru, **Teodorescu-Draghicescu Horațiu**, Baba Marius, Dogaru Florin - Material compozit hibrid carbon-câneapă și procedeu de obținere al acestuia cu aplicație în industria auto și constructoare de mașini - Rezumat de brevet publicat în BOPI 4/2104 & Espacenet 2014
2. Purcarea R., **Teodorescu-Draghicescu Horațiu** – Material compozit pe bază de COREMAT utilizat în construcția adăposturilor subterane și a componentelor auto - Rezumat de brevet publicat în BOPI 8/2104 & Espacenet 2014

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3. Goia, I., Vlase, S., Tierean, M., Dimitriu, St., **Teodorescu, H.**, Pop, O., Plămădeală, R., *Culegere de probleme de rezistența materialelor*. Ed. Lux Libris, 2007, ISBN 978-973-9458-92-4. (cap. 4 – Mecanica materialelor compozite).
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7. **H. Teodorescu-Draghicescu**, A. Modrea, *Mecanica materialelor compozite*, Editura Universității Transilvania din Brașov, 2013, ISBN 978-606-19-0300-9
8. **H. Teodorescu-Draghicescu**, *Mecanică Experimentală*. Editura Universității Transilvania din Brașov, 2015, ISBN 978-606-19-0528-7.

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 13. **Teodorescu-Drăghicescu, H.**, Vlase, S., Teodorescu, F. – Aspects regarding the recycling of carbon fibers reinforced polymer matrix composites. International Workshop “Trends and Research in Composite Materials Recycling” TRECRY 2007, 11 – 12 October 2007, Brasov, Romania, ISBN 978-973-598-261-4, p. 80 – 85.
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