

LISTA LUCRĂRILOR PUBLICATE (SELECTIE)
(ordonate cronologic)

Cărți

1. Vlase, S., **Elastodinamica elementelor finite.** Editura LUX LIBRIS, 1996.
2. Vlase, S., **Mecanică computațională.** Ed. INFOMARKET, 2006. ISBN 973-8204-75-5
3. Deliu, Gh., Vlase, S., **Mecanica. Statica. Culegere de probleme.** Ed. Albastră, Cluj, 2004. ISBN 973-650-139-6.
4. Vlase,S., **Mecanica. Dinamica.** Ed. Infomarket, 2005. 973-8204-74-7.
5. Vlase,S., s.a., **Materiale compozite. Metode de calcul.** Editura Universității TRANSILVANIA, 2007. ISBN 978-973-635-890-6.
6. Vlase, S., **Mecanica. Cinematica.** Ed. Infomarket, 2007. ISBN 978-973-8204-96-6.
7. Vlase,S., **Mecanica. Statica.** Ed. a II-a,revăzută și adăugită, Ed. Infomarket, 2008. ISBN 973-973-1747-01-9.
8. **Vlase,S.**, Teodorescu,H., Purcărea,R., Modrea,A., **Mecanica materialelor compozite armate cu fibre,** Ed. Infomarket, 2008. ISBN 978-973-8204-98-0.
9. Burcă,I., Tofan,M.,**Vlase,S.**, Munteanu,V., **Mecanica mișcărilor atletice.** Ed. Infomarket, 2009.
10. **Vlase,S.**, Teodorescu-Drăghicescu,H.,Scutaru,L.,ș.a., **Culegere de probleme de cinematică și dinamică.** Ed. Infomarket, 2009.
11. Chiru, A., Scutaru, L., **Vlase, S.**, Cofaru, C., Materiale compozite utilizate in constructia de autovehicule , Ed. Universității TRANSILVANIA din Brașov, 2010.

Cărți în străinătate – capitulo

1. **Vlase, S.**, Finite Element Analysis of the Planar Mechanisms: Numerical Aspects. In Applied Mechanics - 4. Elsevier, 1992,p.90-100.
2. **Vlase,S.**,Munteanu,V., Scutaru,L., Kinematical Analysis of the Multibody Systems using Topological Description, DAAAM 2008, **DAAAM International Scientific Book 2008**, Vol. 7, ISSN 1726-9687, ISBN 3-901509-69-0, Editor: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna.
3. Teodorescu H., **Vlase, S.**, Rosu, D., Ulea, M. , Residual Internal Stresses determined Experimentally in Hollow Composite Laminates , in E. E. Gdoutos (Editor), Experimental Analysis of Nano and Engineering Materials and Structures. Springer. Alexandroupolis, Greece, July 1-6, 2007, Springer, Dordrecht, The Netherlands, ISBN 978-1-4020-6.

Editor carti

1. **S. Vlase**, I. Curtu, The 1st International Conference ADVANCED COMPOSITES MATERIALS ENGINEERING, Ed. Universității TRANSILVANIA din Brașov, 2006.
2. **S. Vlase**, S.Lache, Gh. Radu, The 2nd International Conference ADVANCED COMPOSITES MATERIALS ENGINEERING, Ed. Universității TRANSILVANIA din Brașov, 2008.

- 3. S. Vlase**, A. Chiru, The 2nd International Conference COMPUTATIONAL MECHANICS and VIRTUAL ENGINEERING, COMEC2007. Ed. Universității TRANSILVANIA, Brașov,2007.
- 4. S. Vlase**, A. Chiru, Yasushi Niitsu, The 3rd International Conference COMPUTATIONAL MECHANICS and VIRTUAL ENGINEERING, COMEC2009. Ed. Universității TRANSILVANIA, Brașov,2009.
5. D. Bigoni, **S. Vlase**, A. Chiru, The 3rd International Conference COMAT2010 - ADVANCED COMPOSITES MATERIALS ENGINEERING, Ed. **Infomarket**, 2010.
- 6. S. Vlase**, C. Papalettere, The 3rd International Conference COMPUTATIONAL MECHANICS and VIRTUAL ENGINEERING, COMEC2011. Ed. Lux Libris, Brașov, 2011.
- 7. S. Vlase**, COMAT2012. The 4th International Conference COMAT2012 - ADVANCED COMPOSITES MATERIALS ENGINEERING, Ed. **Derc, Boston**, 2012.
- 8. S. Vlase**, COMEC2013. The 4th International Conference COMPUTATIONAL MECHANICS and VIRTUAL ENGINEERING, COMEC2013. Ed. **Derc, Boston**, Brașov,2013
- 9. S. Vlase**, COMAT2014. The 4th International Conference COMAT2014 - ADVANCED COMPOSITES MATERIALS ENGINEERING, Ed. **Derc, Boston**, 2014.