

Thesis/Abstracts of International Conferences (2012)

1. Labans, E., Kalnins, K. Simulation of Mechanical Behavior of Sandwich Panels with DendroLight Cellular Wood Material Core // XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. – pp 133-133.
2. Gluhih S., Kovalovs A., Chate A. Identification of the Outer-Layer Modulus of a Two-Layer Polymer Cylindrical Shell // XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. – pp 91-91.
3. Arnautov A., Kulakov V., Kovalovs A., Portnovs G. A Wedge –Type Anchorage System for FRP Composite Tendons // XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. - pp 47-47.
4. Gluhih S., Mitrofanov O., Sorokin A. Optimal Design of Composite Wing Box Stiffened Panels Providing Strength and Stability XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. - pp 89-89.
5. Gluhih S., Mitrofanov O., Sorokin A. Postbuckling State Assisted Design of Composite Device Panels Taking into Account Fatigue Life and Residual Strength Boundary Conditions // XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. - pp 90-90.
6. Krasnikovs A., Kononova O., Harjkova G., Zaharevskis V., Machanovskis E., Rucevskis S., Akishins P. Composite Material Reinforced by a Knitted Fabric. Prediction of Its Strength and Elastic Properties and Experimental Validation XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. - pp 126-126.
7. Kovalovs A., Barkanov J., Gluhih S. Optimal Design and Experimental Verification of a Full-Scale Composite Rotor Blade with Macro-Fiber Composite Actuators // XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. - pp 122-122.

8. Akishin P., Barkanov E., Smyth R., McNally T. Elastic and Dissipative Material Properties of Aluminium Alloys with Carbon Nanotubes // XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. - pp 32-32.
9. Kovalovs A., Serebrjakovs P., Sorokins A. Effect of Moisture on the Material Properties of Composite Material // XVII International Conference "Mechanics of Composite Materials (MCM-2012)": Book of Abstracts, Latvia, Riga, 28.May-1. June, 2012. - pp 123-123.
10. Barkanov J., Wesolowski M., Akishin P., Belouettar S. Nondestructive Techniques for Reliable Characterisation of Advanced Composite Material Properties // XVII International Conference on Mechanics of Composite Materials: Book of Abstracts, Latvia, Rīga, 28.May-1. June, 2012. - pp 54-54.
11. Barkanov J., Akishin P., McNally T., Smyth R. Nondestructive Testing of the Mechanical Properties of Nanocomposites // Book of Abstracts of the Workshop of All Working groups (WG1-WG4), COST Action MP0902: Composites of Inorganic Nanotubes and Polymers, Czech Republic, Prague, 17.-19. April, 2012. - pp 12-12.
12. Jelinska N., Kalnins M., Gluhih S., Kovalovs A. Structure and Properties of PVA/PVAc Blends Containing Nanofillers // Baltic Polymer Symposium 2012: Programme and Proceedings, Latvia, Liepaja, 19.-22. September, 2012. - pp 147-147.
13. Gluhih S., Kovalovs A., Chate A. Inner Layer Material Identification of Two Layer // Baltic Polymer Symposium 2012: Programme and Proceedings, Latvia, Liepaja, 19.-22. September, 2012. - pp 241-241.
14. Kovalovs A., Gluhih S., Chate A. Flexural Modulus Identification of Thin Polymer Shell // Baltic Polymer Symposium 2012: Programme and Proceedings, Latvia, Liepaja, 19.-22. September, 2012. - pp 247-247.
15. Kajaks J., Kalnin K., Reihmane S. Thermoplastic Polymers Hot-Melts Utilization for Birch Wood Veneer Bonding // Baltic Polymer Symposium 2012: Programme and Proceedings, Latvia, Liepaja, 19.-22. September, 2012. - pp 193-193.
16. Gluhihs S., Kovalovs A., Chate A. Two Thin Polymer Sheets Identification of Flexural Modulus // International Conference "Functional Materials and Nanotechnologies" (FM&NT-2012): Book of Abstracts, Latvia, Riga, 17.-20. April, 2012. - pp 192-192.

17. Kovalovs A., Rucevskis S., Barkanov E. Static Analysis of Piezoelectric Composite Structure Based on Thermal Analogy Method // International Conference "Functional Materials and Nanotechnologies" (FM&NT-2012): Book of Abstracts, Latvia, Riga, 17.-20. April, 2012. - pp 150-150.
18. Kovaļovs A., Barkanov J. Active Vibration Control of Structure with an Optimum Placement of Macro Fiber Composite Actuators // International Conference "Functional Materials and Nanotechnologies" (FM&NT-2012): Book of Abstracts, Latvia, Riga, 17.-20. April, 2012. - pp 158-158.
19. Kovalovs A., Akishin P., Barkanov E. Non-Destructive Technique for Determination of Material Properties // International Conference "Functional Materials and Nanotechnologies (FM&NT-2012)": Book of Abstracts, Latvia, Riga, 17.-20. April, 2012. - pp 159-159.
20. Akishin P., Barkanov J. Characterization of Elastic and Dissipative Nanocomposite Material Properties via Using of Small Dimension Specimens // International Conference "Functional Materials and Nanotechnologies" (FM&NT-2012): Book of Abstracts, Latvia, Riga, 17.-20. April, 2012. – pp 255.-255.
21. Labans, E., Bikovs, A., Kalniņš, K. FEM Simulation of Mechanical and Thermal Properties of Wood Based Sandwich Panels with Cellular Wood Core //Book of Abstracts of the 10th International Conference on Sandwich Structures, France, Nantes, 27.-29. August, 2012. – pp 169-170.
22. Labans, E., Kalnins, K. FEM Strategies for Numerical Modeling of DendroLight Cellular Wood Material Core // Digest of Riga Technical University 53rd International Scientific Conference, Latvia, Riga, 11.-12. October, 2012. – pp 389-389.
23. Labans, E., Kalnins, K. Bending Stiffness and Weight Optimization of Plywood Sandwich Panels // Digest of Riga Technical University 53rd International Scientific Conference, Latvia, Riga, 11.-12. October, 2012. – pp 405-405.
24. Ručevskis S., Akishin P., Chate. Vibration-Based Technique for Damage Detection // Digest of Riga Technical University 53rd International Scientific Conference, Latvia, Riga, 11.-12. October, 2012. – pp 400-400.