

### **Analysis and design of graphene laminates [Online resource]**

**Majak, Jüri; Kirs, Maarjus; Karjust, Kristo** International Conference "Functional Materials and Nanotechnologies 2017" : Tartu, Estonia in April, 24-27, 2017 : book of abstracts 2017 / p. 67 [http://www.ester.ee/record=b4668793\\*est](http://www.ester.ee/record=b4668793*est)

### **Application of HOHWM for vibration analysis of nanobeams**

**Kirs, Maarjus; Eerne, Martin; Bassir, David; Tungel, Ernst** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 230-235 <https://www.scientific.net/KEM.799.230> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.230> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Application of HoHWM in the stability analysis of nonlocal Euler-Bernoulli beam**

Jena, Subrat Kumar; Chakraverty, Snehashish; **Ratas, Mart; Kirs, Maarjus** International Conference of Numerical Analysis and Applied Mathematics ICNAAM 2019 : 23–28 September 2019 Rhodes, Greece 2020 / art. 230003 <https://doi.org/10.1063/5.0026439> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Convergence theorem for the Haar wavelet based discretization method**

**Majak, Jüri; Shvartsman, Boris; Kirs, Maarjus; Pohlak, Meelis; Herranen, Henrik** Composite structures 2015 / p. 227-232 <https://doi.org/10.1016/j.compstruct.2015.02.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design of glass canopy panel**

**Velsker, Tarmo; Lend, Henri; Kirs, Maarjus** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2012 / p. 759-764 : ill

### **Design of multifunctional laminated glass composite panel**

**Majak, Jüri; Pohlak, Meelis; Shvartsman, Boris; Õunapuu, Erko; Kirs, Maarjus** ICCS19 : 19th International Conference on Composite Structures : Sheraton Porto Hotel & Spa, 5-8 September 2016 : proceedings 2016 / p. 140 <http://dx.doi.org/10.15651/978-88-748-8977-8>

### **Design optimization of graphene laminates for maximum fundamental frequency**

**Majak, Jüri; Kirs, Maarjus; Eerne, Martin; Tungel, Ernst; Lepikult, Toomas** Proceedings of the Estonian Academy of Sciences 2017 / p. 354-362 : ill <https://doi.org/10.3176/proc.2017.4.08> [https://artiklid.elnet.ee/record=b2830810\\*est](https://artiklid.elnet.ee/record=b2830810*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design optimization of multilayer graphene sheets**

**Majak, Jüri; Eerne, Martin; Arak, Marti; Kirs, Maarjus; Mikola, Madis** First International Conference on Mechanics of Composites (MECHCOMP2014) : Stony Brook University, Long Island, New York, June 8-12, 2014 2014 / p. 175

### **Eestis konstrueeriti Euroopa moodsaim kiirvoldikvärav**

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### **Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline**

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### **Evaluation of Haar wavelet method for analysis of functionally graded and nanostructures = Haari lainikute meetodi hindamine funktsionaalgradient- ja nanostruktuuride analüüsiks**

**Kirs, Maarjus** 2018 <https://digi.lib.ttu.ee/i/?10625> [https://www.ester.ee/record=b5151220\\*est](https://www.ester.ee/record=b5151220*est)

### **Evaluation of Haar wavelet method in engineering applications**

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**Kirs, Maarjus; Karjust, Kristo; Aziz, Imran; Õunapuu, Erko; Tungel, Ernst** Proceedings of the Estonian Academy of Sciences 2018 / p. 1-9 : ill <https://doi.org/10.3176/proc.2017.4.01> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Haar wavelet method for vibration analysis of nanobeams**

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### **Nanoscale vibration analysis of graphene sheets using nonlogical elasticity theory**

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### **Numerical analysis of dynamics of flight of the fragments**

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### **Numerical method for stability analysis of functionally graded columns**

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### **Plate model for multifunctional laminated glass composite panel**

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### **Portable qEEG and HD-tCS device for point-of-injury traumatic brain injury diagnostics**

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### **Tallinna Tehnikaülikooli korvpalliklubi Kapa 1951-2026**

2025 [https://www.ester.ee/record=b5752833\\*est](https://www.ester.ee/record=b5752833*est)

### **Visualization of strain distribution around the edges of a rectangular foreign object inside the woven carbon fibre specimen**

**Herranen, Henrik; Allikas, Georg; Eerme, Martin; Vene, Karl-Kristo; Otto, Tauno; Gregor, Andre; Kirs, Maarjus; Mädamürk, Karl** Estonian journal of engineering 2012 / p. 279-287 : ill [https://artiklid.elnet.ee/record=b2527774\\*est](https://artiklid.elnet.ee/record=b2527774*est)