

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

Application of HOHWM for vibration analysis of nanobeams

Kirs, Maarjus; Eerme, Martin; Bassir, David; Tungel, Ernst Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 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://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. 2 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; Eerme, 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 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design optimization of multilayer graphene sheets

Majak, Jüri; Eerme, 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

Imeline Teadus 2023 / lk. 21 https://www.ester.ee/record=b2747925*est

Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline

ari.genius.ee 2023 [Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline](#)

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/ii/?10625> https://www.ester.ee/record=b5151220*est

Evaluation of Haar wavelet method in engineering applications

Kirs, Maarjus; Tungel, Ernst International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13–18 September 2018 2019 / art. 330003 <https://doi.org/10.1063/1.5114341> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Free vibration analysis of a functionally graded material beam : evaluation of the Haar wavelet method

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 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Haar wavelet method for vibration analysis of nanobeams

Kirs, Maarjus; Mikola, Madis; Haavajõe, Anti; Õunapuu, Erko; Shvartsman, Boris; Majak, Jüri Waves, wavelets and fractals : advanced analysis 2016 / p. 20-28 : ill <https://doi.org/10.1515/wffaa-2016-0003>

Laskemoonalao riskianalüüsi meetodika väljatöötamine fiktiivse lao näitel

Tomberg, Tõnu; Järviste, Raul; Kirs, Maarjus; Strazdin, Aleks; Eensoo, Siim Sõjateadlane = Estonian journal of military studies 2019 / lk. 58-80 : ill https://artiklid.elnet.ee/record=b2876205*est

Nanoscale vibration analysis of graphene sheets using nonlogical elasticity theory

Majak, Jüri; Kirs, Maarjus; Mikola, Madis; Heero, Marek; Herranen, Henrik ICCE 21 proceedings 2013

Numerical analysis of dynamics of flight of the fragments

Kivistik, Lenart; Eerme, Martin; Majak, Jüri; Kirs, Maarjus AIP conference proceedings 2024 / art. 030016

<https://doi.org/10.1063/5.0189331>

Numerical method for stability analysis of functionally graded columns

Shvartsman, B.S.; **Majak, Jüri; Kirs, Maarjus** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 65-70 : ill

On accuracy of the Haar wavelet method

Majak, Jüri; Shvartsman, Boris; **Pohlak, Meelis; Eerme, Martin; Kirs, Maarjus** Mathematical modelling and analysis 2016 :

abstracts 2016 / p. 50 http://www.ester.ee/record=b4573512*est

Optimal structural design of a slotless permanent magnet generator

Pabut, Ott; Kirs, Maarjus; Lend, Henri; Tiirats, Tauno Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 75-81 : ill

Plate model for 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>

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

Strisland, Frode; Vedum, Jon; Liverud, Anders; Dalgard, Steffen; Brødreskift, Tomas; Albert, Bruno; Noyvirt, Alexandre; **Vene, Karl;**

Herranen, Henrik; Kirs, Maarjus Phealth 2017 : proceedings of the 14th International Conference on Wearable Micro and nano

Nano Technologies for Personalized Health : 14-16 May 2017, Eindhoven, The Netherlands 2017 / p. 198-203

<https://doi.org/10.3233/978-1-61499-761-0-198> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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