

### **Acousto-mechanical instrumentation of multiscale hysteretic memristive properties of the skin with nonlinear time reversal imaging**

Dos Santos, Serge; Lints, Martin; Masood, Ali; Salupere, Andrus 2017 Cosmetic Measurements and Testing (COSMETIC 2017), Cergy-Pontoise, France, 6 - 7 June 2017 / p. 16-19 : ill <http://dx.doi.org/10.1109/COMET.2017.8521466>

### **Andrus Salupere : uuendused on teretunud, kui neil on positiivne mõju ja nendest ei tehta kultust**

Salupere, Andrus Inseneeria 2015 / lk. 29-31 : portr [https://artiklid.elnet.ee/record=b2723087\\*est](https://artiklid.elnet.ee/record=b2723087*est)

### **Application of higher order Haar wavelet method for solving nonlinear evolution equations**

Ratas, Mart; Salupere, Andrus Mathematical modelling and analysis 2020 / p. 271-288 <https://doi.org/10.3846/mma.2020.11112>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Deformation waves in microstructured solids and dimensionless parameters**

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert; Salupere, Andrus Proceedings of the Estonian Academy of Sciences 2013 / p. 109-115 : ill [https://artiklid.elnet.ee/record=b2624195\\*est](https://artiklid.elnet.ee/record=b2624195*est) <https://doi.org/10.3176/proc.2013.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

### **Discrete spectral analysis for solitary waves**

Engelbrecht, Jüri; Salupere, Andrus; Kalda, J.; Maugin, Gerard Wave propagation : flow, sound, structures and their interactions 1997 / [40] p

### **Discrete spectral analysis for solitary waves**

Engelbrecht, Jüri; Salupere, Andrus; Kalda, Jaan; Maugin, Gerard Acoustic interactions with submerged elastic structures. Part 2, Propagation, ocean acoustics and scattering 2001 / p. 1-40

### **Dispersive waves in microstructured solids**

Berezovski, Arkadi; Engelbrecht, Jüri; Salupere, Andrus; Tamm, Kert; Peets, Tanel; Berezovski, Mihhail International journal of solids and structures 2013 / p. 1981-1990 : ill <https://doi.org/10.1016/j.ijsolstr.2013.02.018> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

### **Emergence of solitary deformation waves in Mindlin-type microstructured solids**

Tamm, Kert; Salupere, Andrus International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 33

### **Emergence of soliton ensembles from KdV-like systems**

Salupere, Andrus; Engelbrecht, Jüri; Ilison, Lauri; Kuk, Martti Dynamics Days Europe : book of abstracts 2002 / p. 82

### **Emergence of solitonic structures in hierarchical Korteweg–de Vries Systems**

Salupere, Andrus; Lints, Martin; Illison, Lauri Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 89-124 [https://doi.org/10.1007/978-3-030-29951-4\\_5](https://doi.org/10.1007/978-3-030-29951-4_5) [https://www.ester.ee/record=b5303400\\*est](https://www.ester.ee/record=b5303400*est)

### **Focusing aspects of delayed time reversal based nonlinear elastic wave spectroscopy methods**

Lints, Martin; Dos Santos, Serge; Salupere, Andrus 2016 IEEE International Ultrasonics Symposium, IUS : [September 18-21, Tours, France] 2016 / [4] p. : ill <https://doi.org/10.1109/ULTSYM.2016.7728831>

### **Foreword**

Salupere, Andrus; Maugin, Gerard A. Proceedings of the Estonian Academy of Sciences 2015 / p. 201-202 ; Vol. 64, 3S, p. 323-324

### **Fully synchronized acoustomechanical testing of skin : biomechanical measurements of nonclassical nonlinear parameters**

Lints, Martin; Dos Santos, Serge; Kozena, Colette; Kus, Vaclav; Salupere, Andrus 24th International Congress on Sound and Vibration 2017 (ICSV 24) : London, United Kingdom, 23-27 July 2017. Vol. 3 2017 / p. 1970-1977 : ill [https://www.iiav.org/archives\\_icsv\\_last/2017\\_icsv24/content/papers/papers/full\\_paper\\_867\\_20170403135841549.pdf](https://www.iiav.org/archives_icsv_last/2017_icsv24/content/papers/papers/full_paper_867_20170403135841549.pdf)

### **Head lõpetajad! = Dear graduates!**

Land, Tiit; Sergejev, Fjodor; Jervan, Gert; Salupere, Andrus; Listra, Enn; Leiger, Roomet Mente et Manu 2021 / lk. 30-50 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Hidden and driven solitons in microstructured media**

Salupere, Andrus; Engelbrecht, Jüri 21st International Congress of Theoretical and Applied Mechanics : August 15-21, 2004, Warsaw, Poland : ICTAM04 : abstracts and CD-ROM proceedings 2004 / p. 278  
[http://fluid.ippt.gov.pl/ictam04/text/sessions/docs/SM11/11813/SM11\\_11813.pdf](http://fluid.ippt.gov.pl/ictam04/text/sessions/docs/SM11/11813/SM11_11813.pdf)

### **Institute of Cybernetics at TUT : activity report 2000-2003**

2004 [https://www.ester.ee/record=b1928118\\*est](https://www.ester.ee/record=b1928118*est)

## Interaction of solitary deformation waves in microstructured solids

**Salupere, Andrus; Tamm, Kert; Engelbrecht, Jüri** Book of abstracts the Fifth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, USA, April 16-19, 2007 2007 / p. 114

## 12 uut positsiooni

**Salupere, Andrus; Sergejev, Fjodor; Kallaste, Kadri; Pihel, Hele-Riin; Tärnov, Külle; Anton, Maia-Liisa; Annus, Ivar; Kanger, Tõnis; Kerikmäe, Tanel; Illing, Sven; Uutar, Aivar** Mente et Manu 2020 / lk. 54-59 : portr [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)  
<https://dea.digar.ee/article/AKmentetmanu/2020/09/0/21.1>

## Kellest saab TTÜ uus rektor? : Mente et Manu küsib

Aaviksoo, Jaak; **Kübarsepp, Jakob; Salupere, Andrus;** Ustav, Mart Mente et Manu 2015 / lk. 4-8 : fot  
[https://artiklid.elnet.ee/record=b2718124\\*est](https://artiklid.elnet.ee/record=b2718124*est)

## Korteweg-de Vries soliton detection from a harmonic input

**Salupere, Andrus;** Maugin, Gerard; **Engelbrecht, Jüri** Physics letters A 1994 / p. 5-8  
<https://www.sciencedirect.com/science/article/abs/pii/0375960194910065>

## Korteweg-de Vries soliton formation from a harmonic input and discrete spectral analysis

**Salupere, Andrus;** Maugin, Gerard; **Engelbrecht, Jüri** Finno-Ugric Days of Mechanics, June 18.-24., 1995, Rackeve : abstracts 1995 <https://www.sciencedirect.com/science/article/abs/pii/0375960194910065>

## „Kuidas nad on teinud ära riigieksami?“ Aukliku taseme tagamaad

**Raudla, Heiki** Õpetajate Leht 2025 / lk. 10-11 „Kuidas nad on teinud ära riigieksami?“ Aukliku taseme tagamaad

## Long-time behaviour of soliton ensembles. Part I - Emergence of ensembles

**Salupere, Andrus; Peterson, Pearu; Engelbrecht, Jüri** Chaos, solitons and fractals 2002 / p. 1413-1424 : ill  
<https://www.sciencedirect.com/science/article/pii/S0960077902000693>

## Long-time behaviour of soliton ensembles. Part II - Periodical patterns of trajectories

**Salupere, Andrus; Peterson, Pearu; Engelbrecht, Jüri** Chaos, solitons and fractals 2003 / p. 29-40  
<https://www.sciencedirect.com/science/article/pii/S096007790200070X>

## [Lõpetajad = Graduates]

**Land, Tiit; Sergejev, Fjodor; Jervan, Gert; Salupere, Andrus; Listra, Enn; Leiger, Roomet** Mente et Manu 2022 / lk. 24-43 : fot  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## [Lõpetajad = Graduates]

**Land, Tiit; Sergejev, Fjodor; Jervan, Gert; Salupere, Andrus; Avarmaa, Mari; Leiger, Roomet** Mente et Manu 2023 / lk. 30-49 : fot  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## [Lõpetajad = Graduates]

**Land, Tiit; Sergejev, Fjodor; Jervan, Gert; Salupere, Andrus; Avarmaa, Mari; Leiger, Roomet** Mente et Manu 2024 / lk. 28-46 : fot  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## Mehaanika kui insenerikoolituse alustala : avalik loeng 20. märtsil 2002 TTÜs

**Salupere, Andrus** Tallinna Tehnikaülikooli aastaraamat 2002 2003 / lk. 222-226

## Mikrostruktuursed materjalid ja deformatsioonilained

**Engelbrecht, Jüri; Salupere, Andrus; Berezovski, Arkadi** Teadusmõte Eestis. 4, Tehnikateadused. 2 2007 / lk. 9-15 : ill  
[https://www.ester.ee/record=b2206974\\*est](https://www.ester.ee/record=b2206974*est)

## Millise matemaatika taustaga tudengeid ootavad ülikoolid?

Soots, Hanna Britt; Vilo, Jaak opleht.ee 2024 [Millise matemaatika taustaga tudengeid ootavad ülikoolid?](#)

## Multiscale memristive properties of skin induced by memory effects of cyclic stress-relaxation loadings : data fusion from ground truth nonlinear acousto-mechanical testing

Dos Santos, Serge; Masood, Ali; **Lints, Martin; Salupere, Andrus;** Kozena, Colette; Kus, Vaclav ICSV 2018: 25th International Congress on Sound and Vibration (ICSV25), Hiroshima, Japan, 8-12 July, 2018 : proceedings. Vol. 1 2018 / p. 1965-1972 : ill  
<http://toc.proceedings.com/40638webtoc.pdf>  
[https://www.researchgate.net/publication/326668548\\_MULTISCALE\\_MEMRISTIVE\\_PROPERTIES\\_OF\\_SKIN\\_INDUCED\\_BY\\_MEMORY\\_EFFECTS\\_OF\\_CYCLIC\\_STRESS-RELAXATION\\_LOADINGS\\_DATA\\_FUSION\\_FROM\\_GROUND\\_TRUTH\\_NONLINEAR\\_ACOUSTO-MECHANICAL\\_TESTING](https://www.researchgate.net/publication/326668548_MULTISCALE_MEMRISTIVE_PROPERTIES_OF_SKIN_INDUCED_BY_MEMORY_EFFECTS_OF_CYCLIC_STRESS-RELAXATION_LOADINGS_DATA_FUSION_FROM_GROUND_TRUTH_NONLINEAR_ACOUSTO-MECHANICAL_TESTING)

## Nonlinear wave motion : complexity and simplicity revisited

**Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu** Abstracts of IUTAM/IFTToMM Symposium on Synthesis of Nonlinear Dynamical Systems, Riga, Latvia, 24-28 Aug. 1998 1998 / p. 3-4 [https://link.springer.com/chapter/10.1007/978-94-011-4229-8\\_3](https://link.springer.com/chapter/10.1007/978-94-011-4229-8_3)

### **Nonlinear waves in microstructured materials**

**Engelbrecht, Jüri; Salupere, Andrus;** Sillat, Tarvo International Workshop on Nonlinear Waves in Solids : June 8-11, 2000, City University of Hong Kong 2000 / p. 6

### **Nonlinear waves in solids**

**Engelbrecht, Jüri; Berezovski, Arkadi; Salupere, Andrus** Proceedings of International Symposium on Mechanical Waves in Solids : Zehejiang University, Hangzhou, China, May 15-18, 2006 2006 / p. 16-17

### **Nonlinear waves in solids and inverse problems**

**Engelbrecht, Jüri;** Ravasoo, Arvi; **Salupere, Andrus** Abstract Book, IUTAM Symposium on Computational Mechanics of Solid Materials at Large Strains : August 20-24, 2001, Stuttgart, Germany 2001 / p. ?

### **Numerical analysis of nonlinear wave propagation = Mittelineaarse lainelevi numbriline analüüs**

**Ratas, Mart** 2020 [https://www.ester.ee/record=b5391019\\*est](https://www.ester.ee/record=b5391019*est) <https://digikogu.taltech.ee/et/Item/96b84b2f-8dc3-4c25-8c58-a5dde59d14ea>

### **Numerical analysis of solitonic structures in systems with higher-order dispersion and nonlinearity**

**Salupere, Andrus; Engelbrecht, Jüri;** Ilison, Olari; Maugin, Gerard Abstracts of the European Conference on Computational Mechanics - ECCM '99 : August 31-September 3, 1999, Munich, Germany 1999 / p. 274-275

### **Numerical analysis of solitonic structures in systems with higher-order dispersion and nonlinearity [Electronic resource]**

**Salupere, Andrus; Engelbrecht, Jüri;** Ilison, Olari; Maugin, Gerard Proceedings of the European Conference on Computational Mechanics - ECCM '99 : August 31-September 3, 1999, Munich, Germany 1999 / [17] p. [CD-ROM]

### **Numerical simulation of interaction of solitary deformation waves in microstructured solids**

**Salupere, Andrus; Tamm, Kert; Engelbrecht, Jüri** International journal of non-linear mechanics 2008 / 3, p. 201-208 : ill <https://www.sciencedirect.com/science/article/pii/S0020746207002338>

### **Numerical simulation of propagation of solitary deformation waves in a compressible hyperelastic rod**

**Vallikivi, Margit; Salupere, Andrus;** Dai, Hui-Hui Mathematics and computers in simulation 2012 / p. 1348-1362 : ill <https://www.sciencedirect.com/science/article/pii/S0378475411001790>

### **Numerical simulation of propagation of solitary deformation waves in microstructured solids**

**Salupere, Andrus; Engelbrecht, Jüri; Tamm, Kert** USNCCM IX : Ninth US National Congress on Computational Mechanics : San Francisco, CA, July 22-26, 2007 : [book of abstracts] 2007 / [8] p

### **Numerical simulation of ultrasonic time reversal on defects in carbon fibre reinforced polymer**

**Lints, Martin; Salupere, Andrus;** Dos Santos, Serge Wave motion 2020 / art. 102526, 10 p. : ill <https://doi.org/10.1016/j.wavemoti.2020.102526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On hidden solitons in KdV related systems**

**Salupere, Andrus** Mathematics and computers in simulation 2016 / p. 252-262 : ill <https://doi.org/10.1016/j.matcom.2014.04.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On modelling wave motion in microstructured solids**

**Randrüüt, Merle; Salupere, Andrus; Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences 2009 / 4, p. 241-246 : ill

### **On nonlinear waves in media with complex properties**

**Engelbrecht, Jüri; Salupere, Andrus; Berezovski, Arkadi; Peets, Tanel; Tamm, Kert** Generalized models and non-classical approaches in complex materials ; 1 2018 / p. 275-286 [https://doi.org/10.1007/978-3-319-72440-9\\_13](https://doi.org/10.1007/978-3-319-72440-9_13) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **On numerical simulation of propagation of solitons in microstructured media**

**Salupere, Andrus; Ilison, Lauri; Tamm, Kert** Applications of Mathematics in Engineering and Economics '34 : proceedings 2008 / p. 155-165 [https://www.researchgate.net/publication/258296769\\_On\\_Numerical\\_Simulation\\_of\\_Propagation\\_of\\_Solitons\\_in\\_Microstructured\\_Media](https://www.researchgate.net/publication/258296769_On_Numerical_Simulation_of_Propagation_of_Solitons_in_Microstructured_Media)

### **On propagation of 1D solitary waves in Mindlin-type microstructured solids**

**Tamm, Kert; Salupere, Andrus** Book of abstracts : The Sixth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, March 23-26, 2009 2009 / p. 86 <https://www.sciencedirect.com/science/article/pii/S0378475410002260>

### **On propagation of solitary deformation waves in a compressible hyperelastic rod**

**Salupere, Andrus; Vallikivi, Margit;** Dai, Hui-Hui Book of abstracts : The Sixth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, March 23-26, 2009 2009 / p. 84

### **On propagation of solitons in media with higher order dispersion**

Ilison, Olari; **Salupere, Andrus** Proceedings of the 15th Nordic Seminar on Computational Mechanics 2002 / p. 177-180  
[https://kirj.ee/wp-content/plugins/kirj/pub/phys-1-2003-135-144\\_20211017143919.pdf](https://kirj.ee/wp-content/plugins/kirj/pub/phys-1-2003-135-144_20211017143919.pdf)

### **On pseudospectral method, discrete spectral analysis and solitons**

**Salupere, Andrus** OAS 2011 : International Conference on Optimization and Analysis of Structures, August 25-27, 2011, Tartu, Estonia : abstracts 2011 / p. 40 [https://link.springer.com/chapter/10.1007/978-3-642-00585-5\\_16](https://link.springer.com/chapter/10.1007/978-3-642-00585-5_16)

### **On solitary waves and solitons in hierarchical systems**

**Salupere, Andrus; Engelbrecht, Jüri; Ilison, Lauri; Tamm, K.** The Forth International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, April 10-14, 2005 : book of abstracts 2005 / p. 158

### **On solitary waves and solitons in microstructured media**

**Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri** IMA International Conference, Recent Advances in Nonlinear Mechanics : 30 Aug. - 1 Sept. 2005, Aberdeen, Scotland, University of Aberdeen : book of abstracts 2005 / p. 144

### **On solitonic solutions for the hyperelastic rod equation**

**Salupere, Andrus; Rätsep, Margus** Wave motion 2019 / 8 p <https://doi.org/10.1016/j.wavemoti.2019.102404> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On solitonic structures in microstructured materials**

**Salupere, Andrus; Ilison, Olari** Proceedings of 13th Nordic Seminar on Computational Mechanics : NSCM-13 2000 / p. 70-73

### **On solitonic structures in nonconservative dispersive media**

**Salupere, Andrus; Kukk, Martti** Abstract book : Finno-Ugric International Conference on Mechanics : FUDOM 2001, May 27-June 2, Rackeve/Budapest, Hungary 2001 / ? p

### **On solitons in dilatant granular materials**

Ilison, Lauri; **Salupere, Andrus** Proceedings of the 15th Nordic Seminar on Computational Mechanics 2002 / p. 181-184

### **On solitons in media modelled by the hierarchical KdV equation**

**Salupere, Andrus; Lints, Martin; Engelbrecht, Jüri** Archive of applied mechanics 2014 / p. 1583-1593 : ill  
<https://doi.org/10.1007/s00419-014-0861-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On solitons in microstructured solids and granular materials**

**Salupere, Andrus; Ilison, Olari; Ilison, Lauri; Engelbrecht, Jüri** The Third International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory, April 7-10, 2003, Athens, USA, The University of Georgia : book of abstracts / p. 171

### **On solitons in microstructured solids and granular materials**

**Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri** Mathematics and computers in simulation 2005 / p. 502-513 : ill

### **On the application of 2D discrete spectral analysis in case of the KP equation**

**Salupere, Andrus; Ratas, Mart** Mechanics research communications 2018 / p. 141-147 : ill  
<https://doi.org/10.1016/j.mechrescom.2017.08.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the application of pseudospectral methods for solving nonlinear evolution equations, and discrete spectral analysis**

**Salupere, Andrus** Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 76-83: ill

### **On the application of the discrete spectral analysis of solution types of nonlinear evolution equations**

**Salupere, Andrus** Abstracts of Finno-Ugric Days of Mechanics with Heller Symposium, Rackeve/Budapest, Hungary, 1998 1998 / p. 2

### **On the application of the pseudospectral method for solving the Korteweg-de Vries equation**

**Salupere, Andrus** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1995 / 1, p. 73-87: ill

### **On the formation of solitons in media with higher-order dispersive effects**

**Ilison, Olari; Salupere, Andrus** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 135-144 : ill  
[https://artiklid.elnet.ee/record=b1011948\\*est](https://artiklid.elnet.ee/record=b1011948*est)

### **On the influence of material properties on the wave propagation in Mindlin-type microstructured solids**

**Salupere, Andrus; Tamm, Kert** Wave motion 2013 / p. 1127-1139 : ill <https://doi.org/10.1016/j.wavemoti.2013.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**On the interaction of deformation waves in microstructured solids**

**Salupere, Andrus; Tamm, Kert; Engelbrecht, Jüri; Peterson, Pearu** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / 2, p. 93-99 : ill

**On the KdV soliton formation and discrete spectral analysis**

**Salupere, Andrus; Maugin, Gerard; Engelbrecht, Jüri; Kalda, Jaan** Wave motion 1996 / p. 49-66: ill

**On the long-time behavior of soliton ensembles**

**Salupere, Andrus; Engelbrecht, Jüri; Peterson, Pearu** Abstract book : Second IMACS Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : April 9-12, 2001, Athens, USA 2001 / ? p  
<https://www.sciencedirect.com/science/article/abs/pii/S0378475402001787>

**On the long-time behaviour of soliton ensembles**

**Salupere, Andrus; Engelbrecht, Jüri; Peterson, Pearu** Mathematics and computers in simulation 2003 / p. 137-147 : ill  
<https://www.sciencedirect.com/science/article/pii/S0378475402001787>

**On the numerical determination of solitary waves for systems with quartic potential and higher order dispersion**

**Salupere, Andrus; Ilison, Olari** Proceedings of the NSCM-11 : Nordic Seminar on Computational Mechanics, October 16-17, Royal Institute of Technology, Department of Structural Engineering 1998 / p. 106-109

**On the optimal design of rigid-plastic annular plates with piecewise constant thickness**

**Salupere, Andrus** Proceedings of the 4th Finnish Mechanics Days, June 5-6, 1991, Lappeenranta, Finland 1991 / p. 303-310

**On the problem of periodicity and hidden solitons for the KdV model**

**Engelbrecht, Jüri; Salupere, Andrus** Chaos 2005 / [6] p. : ill

**On the propagation of 1D solitary waves in Mindlin-type microstructured solids**

**Tamm, Kert; Salupere, Andrus** Mathematics and computers in simulation 2012 / p. 1308-1320 : ill  
<https://www.sciencedirect.com/science/article/pii/S0378475410002260>

**On the propagation of localized perturbations in media with microstructure**

**Ilison, Lauri; Salupere, Andrus; Peterson, Pearu** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / 2, p. 84-92 : ill

**On the propagation of solitary pulses in microstructured materials**

**Ilison, Olari; Salupere, Andrus** Chaos, solitons & fractals 2006 / 1, p. 202-214 : ill  
<https://ui.adsabs.harvard.edu/abs/2006CSF....29..202I/abstract>

**On the propagation of solitary pulses in microstructured media**

**Ilison, Olari; Salupere, Andrus** The Forth International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, April 10-14, 2005 : book of abstracts 2005 / p. 150  
<https://www.sciencedirect.com/science/article/abs/pii/S0960077905006491>

**On the propagation of solitary waves in microstructured solids**

**Ilison, Olari; Salupere, Andrus** 21st International Congress of Theoretical and Applied Mechanics : August 15-21, 2004, Warsaw, Poland : ICTAM04 : abstracts and CD-ROM proceedings 2004 / p. 275

**On the propagation of solitary waves in Mindlin-type microstructured solids**

**Tamm, Kert; Salupere, Andrus** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 118-125 : ill

**Optimal design of dynamically loaded rigid-plastic stepped circular plates**

**Salupere, Andrus** Tartu Ülikooli Toimetised 1992 / lk. 20-34: ill

**Optimal design of rigid-plastic annular plates with piecewise constant thickness**

**Salupere, Andrus** Structural optimization 1992 / 4, p. 186-192

**Optimised signal processing for nonlinear ultrasonic nondestructive testing of complex materials and biological tissues =**

**Optimeeritud signaalitöötlus mittelineaarsete komplekssete materjalide ja bioloogiliste kudede mittepurustavaks testimiseks ultraheliga = Traitement du signal optimisé pour l'évaluation non linéaire non destructive des matériaux complexes et des tissus biologiques**

**Lints, Martin** 2017 <https://digi.lib.ttu.ee/i/?8437> [https://www.ester.ee/record=b4689325\\*est](https://www.ester.ee/record=b4689325*est)

**Periodically forced solitonic structures in dispersive media**

**Salupere, Andrus; Kuk, Marti** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 145-156 : ill  
[https://artiklid.elnet.ee/record=b1011991\\*est](https://artiklid.elnet.ee/record=b1011991*est)

**Professor Andrus Salupere : valimisplatvorm**

**Salupere, Andrus** Mente et Manu 2015 / lk. 8-11 : portr [https://artiklid.elnet.ee/record=b2721094\\*est](https://artiklid.elnet.ee/record=b2721094*est)

**Propagation of sech2-type solitary waves in hierarchical KdV-type systems**

**Ilison, Lauri; Salupere, Andrus** Mathematics and computers in simulation 2009 / 11, p. 3314-3327 : ill  
<https://www.sciencedirect.com/science/article/pii/S0378475409001293>

**Propagation of sech2-type solitary waves in higher-order KdV-type systems**

**Ilison, Olari; Salupere, Andrus** Chaos, solitons & fractals 2005 / p. 453-465 : ill

**Propagation of solitary pulses in microstructured solids [Electronic resource]**

**Salupere, Andrus; Tamm, Kert; Engelbrecht, Jüri** 6th European Solid Mechanics Conference ESMC2006 : 28 August - 1 September 2006, Budapest, Hungary : proceedings 2006 / [2] p. [CD-ROM]

**Propagation of solitary waves in microstructured media**

**Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri** Finno-Ugric International Conference of Mechanics : 29 May - 4 June, 2005, Ráckeve, Hungary 2005 / ? p

**Saateks**

**Salupere, Andrus** Teadusmõtte Kübermeetika Instituudis 2010 / lk. 6-7

**Scaling and hierarchies of wave motion in solids**

**Engelbrecht, Jüri; Salupere, Andrus** ZAMM : Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik 2014 / p. 775-783 <https://doi.org/10.1002/zamm.201300042> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

**Simulation of detecting contact nonlinearity in carbon fibre polymer using ultrasonic nonlinear delayed time reversal**

**Lints, Martin; Salupere, Andrus; Dos Santos, Serge** ACTA acustica united with acustica 2017 / p. 978-986 : ill  
<https://doi.org/10.3813/AAA.919127>

**Simulation of solitary wave propagation in carbon fibre reinforced polymer**

**Lints, Martin; Salupere, Andrus; Dos Santos, Serge** Proceedings of the Estonian Academy of Sciences 2015 / p. 297-303 : ill  
<https://doi.org/10.3176/proc.2015.3.14> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Solitary waves for Non-Destructive Testing applications : delayed nonlinear time reversal signal processing optimization**

**Lints, Martin; Dos Santos, Serge; Salupere, Andrus** Wave motion 2017 / p. 101-112 : ill  
<https://doi.org/10.1016/j.wavemoti.2016.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Solitary waves governed by complicated nonlinearity and dispersion**

**Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri** List of abstracts FPU+50 : Nonlinear Waves 50 Years After Fermi-Pasta-Ulam : Rouen, France, June 21-25, 2005 2005 / p. 16-17

**Solitary waves in dispersive solids**

**Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu; Maugin, Gerard** 3rd EUROMECH Solid Mechanics Conference : book of abstracts 1997 / p. 336

**Solitary waves in dispersive solids**

**Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu; Maugin, Gerard A.** 3rd EUROMECH Solid Mechanics Conference, Stockholm, Sweden, August 18-22, 1997 : book of abstracts 1997 / IV : W6 ; p. 336

**Soliton ensembles and solitonic structures**

**Engelbrecht, Jüri; Salupere, Andrus** Applicable analysis 2012 / p. 237-250 : ill  
<https://www.tandfonline.com/doi/full/10.1080/00036811.2011.608253>

**Soliton formation from the spectral viewpoint**

**Salupere, Andrus; Maugin, Gerard; Engelbrecht, Jüri** International Symposium "KdV'95" to commemorate the centennial of the publication of the equation by and named after Korteweg and de Vries, April 23.-26., 1995, Amsterdam : poster presentations 1995

**Solitonic structures in KdV-based higher-order systems**

**Salupere, Andrus; Engelbrecht, Jüri; Maugin, Gerard** Wave motion 2001 / p. 51-61  
<https://www.sciencedirect.com/science/article/pii/S0165212501000695>

**Solitonide formeerumine ja interakteerumine**

**Salupere, Andrus; Engelbrecht, Jüri; Peterson, Pearu** Biotoopia : Bioloogia. Tehnoloogia. Utopia. : Sorose Kaasaegse Kunsti Eesti Keskuse 3. aastanäitus, 22. november - 17. detsember 1995 1996 / 2 lk.: ill

**Solitons and solitary waves in hierarchical Korteweg-de Vries type systems = Solitonid ja üksiklained hierarhilistes Kortewegi-de Vriesi tüüpi süsteemides**

Ilison, Lauri 2009 [https://www.ester.ee/record=b2499322\\*est](https://www.ester.ee/record=b2499322*est)

**Solitons and solitary waves in media with higher order dispersive and nonlinear effects**

Ilison, Olari 2005 [https://www.ester.ee/record=b2073549\\*est](https://www.ester.ee/record=b2073549*est)

**Solitons and solitonic structures - what is visible and what is hidden**

**Salupere, Andrus** Contributions to the Foundations of Multidisciplinary Research in Mechanics : papers presented during the 24th International Congress of Theoretical and Applied Mechanics ICTAM 2016, Montreal, August 22-26, 2016. Vol. 3 2017 / p. 2216-2217 : ill [http://iutam.org/wp-content/uploads/2017/02/ICTAM\\_Proceedings\\_Vol\\_3.pdf](http://iutam.org/wp-content/uploads/2017/02/ICTAM_Proceedings_Vol_3.pdf)

**Solitons in a perturbed Korteweg-de Vries system**

Peterson, Pearu; **Salupere, Andrus** Euromech 348 : Nonlinear Dynamics of Heterogeneous and Microstructured Solids, May 22-26, 1996, Tallinn, Estonia : book of abstracts 1996 / p. 38

**Solitons in a perturbed Korteweg-de Vries system**

**Peterson, Pearu; Salupere, Andrus** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1997 / 1/2, p. 102-110

**Solitons in hierarchical Korteweg-de Vries type systems**

Ilison, Lauri; **Salupere, Andrus** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 125-134 : ill [https://artiklid.elnet.ee/record=b1011947\\*est](https://artiklid.elnet.ee/record=b1011947*est)

**Solitons in systems with a quartic potential and higher-order dispersion**

**Salupere, Andrus; Maugin, Gerard; Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1997 / 1/2, p. 118-127

**Solitons in systems with a quartic potential and higher-order dispersion**

**Salupere, Andrus; Maugin, Gerard; Engelbrecht, Jüri** Euromech 348 : Nonlinear Dynamics of Heterogeneous and Microstructured Solids, May 22-26, 1996, Tallinn, Estonia : book of abstracts 1996 / p. 42

**Solving nonlinear boundary value problems using the higher order Haar wavelet Method**

**Ratas, Mart; Majak, Jüri; Salupere, Andrus** Mathematics 2021 / art. 2809 <https://doi.org/10.3390/math9212809> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Solving nonlinear PDEs using the higher order Haar wavelet method on nonuniform and adaptive grids**

**Ratas, Mart; Salupere, Andrus; Majak, Jüri** Mathematical modelling and analysis 2021 / p. 147-169 <https://doi.org/10.3846/mma.2021.12920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Spectral analysis of soliton formation**

**Engelbrecht, Jüri; Salupere, Andrus; Peipman, Tõnu; Maugin, Gerard** Proceedings of the IUTAM/ISIMM Symposium on Structure and Dynamics of Nonlinear Waves in Fluids 1995

**Standards for acousto-mechanical evaluation of multiscale hysteretic properties of complex material with nonlinear time reversal imaging**

Dos Santos, Serge; **Lints, Martin; Arruga, Denis; Masood, Ali; Salupere, Andrus** Application of Contemporary Non-Destructive Testing in Engineering : conference proceedings 2017 / p. 49-57 : ill <https://www.ndt.net/search/docs.php3?showForm=off&id=22548> <http://lab.fs.uni-lj.si/latem/ndt/userfiles/file/Conference%20proceedings.%20ICNDT%202017.pdf>

**Strain wave propagation through felt-like material**

**Vuin, Maria Miranda; Kartofelev, Dmitri; Salupere, Andrus** Symposium on the Acoustics of Poro-Elastic Materials 2023 / 24 p. : ill [https://sapem2023.matelys.com/proceedings/Vuin\\_etal\\_SAPem2023.pdf](https://sapem2023.matelys.com/proceedings/Vuin_etal_SAPem2023.pdf)

**Stress and solitary waves in solids**

**Engelbrecht, Jüri; Ravasoo, Arvi; Salupere, Andrus** Proceedings of the Fourth Conference of the European Association for Structural Dynamics - EURODYN '99 : Prague, Czech Republic, 7-10 June 1999 1999 / p. 23-30

**Teaduselt ühiskonnale : mis on küberneetika : vastab professor Andrus Salupere**

**Salupere, Andrus** KesKus 2013 / lk. 44 : fot

**Technique for detection of solitons in numerical experiments and virtual soliton**

**Salupere, Andrus** Proceedings of the European Congress on Computational Methods in Applied Sciences and Engineering : ECCOMAS 2000 : 11-14 Sept. 2000, Barcelona, Spain 2000 / [17] p. [CD-ROM]

**Technique for detection of solitons in numerical experiments and virtual soliton**

**Salupere, Andrus** Book of abstracts of the European Congress on Computational Methods in Applied Sciences and Engineering : ECCOMAS 2000 : 11-14 Sept. 2000, Barcelona, Spain 2000 / p. 774  
[https://www.researchgate.net/publication/287702254\\_Technique\\_for\\_detection\\_of\\_solitons\\_in\\_numerical\\_experiments\\_and\\_virtual\\_soliton\\_concept](https://www.researchgate.net/publication/287702254_Technique_for_detection_of_solitons_in_numerical_experiments_and_virtual_soliton_concept)

**The pseudospectral method and discrete spectral analysis**

**Salupere, Andrus** Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 301-333 : ill

**Wave propagation and interaction in Mindlin-type microstructured solids: numerical simulation = Lainelevi ja interaktsiooni numbriline modelleerimine Mindlini tüüpi mikrostruktuursetes tahkistes**

**Tamm, Kert** 2011 [https://www.ester.ee/record=b2679197\\*est](https://www.ester.ee/record=b2679197*est)

**Wave propagation through nonlinear viscoelastic felt**

**Vuin, Maria Miranda; Kartofelev, Dmitri; Salupere, Andrus** Waves 2024 : book of abstracts 2024 / p. 281-282

<https://doi.org/10.17617/3.MBE4AA>

**Несущая способность жестко-пластических ступенчатых пластинок**

**Salupere, Andrus** Динамика и оптимизация конструкции = Konstruktsioonide dünaamika ja optimeerimine 1987 / с. 70-85 : илл

[https://www.ester.ee/record=b1289025\\*est](https://www.ester.ee/record=b1289025*est) <https://dspace.ut.ee/handle/10062/33597>

**Оптимальное проектирование жестко-пластических ступенчатых круглых и кольцевых пластинок : автореферат ... кандидата физико-математических наук (01.02.04)**

**Salupere, Andrus** 1991 [http://www.ester.ee/record=b1234733\\*est](http://www.ester.ee/record=b1234733*est)

**Оптимальное проектирование жесткопластических ступенчатых круглых и кольцевых пластинок : дисс. на соиск. учен. степ. канд. физико-матем. наук : 01.02.04 - механика деформируемого твердого тела**

**Salupere, Andrus** 1991 [http://www.ester.ee/record=b2488536\\*est](http://www.ester.ee/record=b2488536*est)