

Aasta Tehnikaüliõpilane pürib probleemsest põhikooli noorukist Stanfordini doktoriks [TTÜ mehaanikateaduskonna magistrant Siim Viilup]

Raig, Tanel Inseneria 2010 / lk. 24-27 : fot https://artiklid.elnet.ee/record=b1942837*est

ABB andis TTÜ-le üle uue põlvkonna koostööroboti YuMi

Mente et Manu 2016 / lk. 10 : fot http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html

ABB YuMi high-speed pick and place game in action

Zahavi, Ali; Al Afrange, Fadi; Najafi Haeri, Shahriar; Ajeevan, Udith; Chamara Liyanage, Dhanushka Proceedings of the 29th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 24-27th October 2018, Zadar, Croatia 2018 / p. 1216-1221 : ill <https://doi.org/10.2507/29th.daaam.proceedings.176>

Actual research topics in mechatronics system design

Glesner, M.; Herpel, H.-J.; Kirschbaum, A.; Windirsch, P. BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 85-91: ill

An environment friendly autonomous ATV - practical mechatronic project

Sell, Raivo; Tamre, Mart 8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia 2007 / p. 309-311 : ill

Analysis of possible faults and diagnostic methods of the Cartesian industrial robot

Autsou, Siarhei; Rassõlkin, Anton; Vaimann, Toomas; Kudelina, Karolina Proceedings of the Estonian Academy of Sciences 2022 / p. 227-24 : ill <https://doi.org/10.3176/proc.2022.3.04> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Arduino projektid alustajale

Sell, Raivo; Raid, Kaupo 2017 http://www.ester.ee/record=b4686444*est

Arhitektist inseneriks: Aiko Liisa Oleki tee TalTechi

Olek, Aiko Liisa Trialoog 2025 <https://trialoog.taltech.ee/arhitektist-inseneriks-aiko-liisa-oleki-tee-taltech/>

Assurance of synergy and competitive dependability at non-safety-critical mechatronic systems design

Tähemaa, Toivo 2002 http://www.ester.ee/record=b1685133*est

Assurance of synergy and competitive reliability at mechatronic systems design

Tähemaa, Toivo; Kaljas, Frid; Reedik, Vello Proceedings of the 2nd IFAC Conference on Mechatronics 2002 / p. 871-876

Automatiseerimisettevõtte asutaja: robotkäpp inimest ei koonda

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/automatiseerimisettevotte-asutaja-robotkapp-inimest-ei-koonda/>

AVR mikrokontrollerid ja praktiline robotika

Sell, Raivo; Leini, Mikk; Ellermaa, Rain 2015 https://www.ester.ee/record=b4458438*est

Cognition through multi-domain practical project

Tamre, Mart; Kask, A.; Sell, Raivo; Leomar, Priit OST-03 Symposium on Machine Design 2003 / p. 278

Component-based mechatronics modelling methodology

Sell, Raivo; Tamre, Mart ICOM2003 : International Conference on Mechatronics 2003 / p. 111-116 : ill

A conceptual design method for the general electric vehicle

Sell, Raivo; Tamre, Mart; Lehtla, Madis; Rosin, Argo Estonian journal of engineering 2008 / 1, p. 3-16 : ill <https://doi.org/10.3176/eng.2008.1.01>

The Convergence of IoT, Cyber-Physical Systems, and Mechatronics in Industry 4.0 Digitalization

Prokopenko, Olha; Järvis, Marina; Omelyanenko, Vitaliy; Maslov, Anatoliy; Lopes, Helena Innovations in Industrial Engineering IV 2025 / p. 48-65 https://link.springer.com/chapter/10.1007/978-3-031-94484-0_5#citeas https://doi.org/10.1007/978-3-031-94484-0_5

CPE-POWERENG'23 toob kokku osalejad 30 riigist

toostusest.ee 2023 [CPE-POWERENG'23 toob kokku osalejad 30 riigist](https://toostusest.ee/2023/CPE-POWERENG'23-toob-kokku-osalejad-30-riigist)

Curricula in IT oriented mechatronics for higher vocational education

Sell, Raivo; Tamre, Mart Proceedings of the 2nd European Workshop on Education in Mechatronics : the Baltic Sea Workshop under the theme : A new Approach to Engineering Education, Fachhochschule Kiel, Germany, University of Applied Sciences, 20-22 September 2001 2002 / p. 135-143 : ill

Curricula reforms through structural reforms

Vaimann, Toomas; Rassõlkin, Anton; Palu, Ivo 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / p. 1-5 : ill <https://doi.org/10.1109/ICEPDS47235.2020.9249084>

Curricula updates through students' participation in international competition

Valme, Daniil; Belolipetskaja, Diana; Rassõlkin, Anton; Leoste, Janika; Rützmänn, Tiia Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 352-364 https://doi.org/10.1007/978-3-031-67059-6_31 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

DAAAM Baltic - samm-sammult suuremate eesmärkide poole

Otto, Tauno Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 264-265

Design and implementation of a mechatronic elbow orthosis

Minh, Vu Trieu; Tamre, Mart; Safonov, Aleksei; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii Mechatronic Systems and Control 2020 / p. 231 - 238 <https://doi.org/10.2316/J.2020.201-0056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and implementation of a smart mechatronic elbow brace

Vu, Trieu Minh; Tamre, Mart; Safonov, Aleksei; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii Handbook of research on advanced mechatronic systems and intelligent robotics 2020 / p. 1-18 : ill <https://doi.org/10.4018/978-1-7998-0137-5.ch001>

Design templates for mobile robot conceptual design

Sell, Raivo; Tamre, Mart 2007 IEEE/ASME International Conference on Advanced Intelligent Mechatronics 2007 / [6] p <https://ieeexplore.ieee.org/document/4412593>

Development of a wireless sensor network combining MATLAB and embedded microcontrollers

Vu, Trieu Minh; Tamre, Mart; Musalimov, Victor; Altunin, Valeri Sensor letters 2015 / p. 1091-1096 : ill <https://doi.org/10.1166/sl.2015.3594> [Journal metrics at Scopus](#) [Article at Scopus](#)

Development of emerging technology-driven NordPlus competence network in the Baltic and Nordic regions

Kunicina, Nadezhda; Bruzgien, Rasa; Narbutaite, Lina; Rassõlkin, Anton; Mohamed, Mahmoud Ibrahim Hassanin; Balandin, Sergey 2024 35th Conference of Open Innovations Association (FRUCT) : proceedings Proceedings of the 2024 / p. 407-412 : ill <https://doi.org/10.23919/FRUCT61870.2024.10516359> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Doktorant: Raivo Sell : [intervjuu TTÜ mehhatroonikainstituudi doktorandi Raivo Selliga]

Sell, Raivo Avaja 2003 / 18. detsember, lk. 5 : portr

Eduard Brindfeldt: Tehnikaerialad saaks popiks karjäärinõustajate abiga [Võrguväljaanne]

Raig, Tanel TööstusEST 2021 <https://toostusest.ee/uudis/2021/02/02/eduard-brindfeldt-tehnikaerialad-saaks-popiks-karjaarinoustajate-abiga/>

Eessõna

Riives, Jüri Tööstuse 4.0 väljakutse : metallitöötajate võimestamine nutikate tehaste jaoks 2020 / lk. 3-4 : portr https://www.ester.ee/record=b5302285*est

8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia

2007 https://www.ester.ee/record=b2293047*est

Elements of TRIZ in the course "Building automation"

Brindfeldt, Eduard; Grinko, Aleksandr 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 159-165 : ill

Empirical synergetics

Tähemaa, Toivo; Reedik, Vello Socio-technical synergetics 2024 / p. 32-38 : ill https://www.ester.ee/record=b5651350*est

Erwartungen und Wirklichkeit von dem Gesichtspunkt der Universität und Industrie auf dem Gebiet der Feinwerktechnik und Mechatronik im heutigen Estland

Ajaots, Maito 16. Internationales Kolloquium Feinwerktechnik, 1.-3. Oktober 1997 1997 / S. 39-41

Evaluation of the trends in mechatronic systems design

Reedik, Vello; Kaljas, Frid; Tähemaa, Toivo Proceedings of the Second National DAAAM Conference in Estonia : Science'96 1997 / p. 89-93

Fast kalman filter for data processing in distributed mechatronic systems

Luik, Argo; Kulmar, Lembit; Rannat, Kalev; Reedik, Vello Mechatronics 2000 : proceedings of the 7th Mechatronics Forum International Conference : 6-8 September 2000, Atlanta, Georgia, USA 2000 / [6] p. [CD-ROM]

Fault tolerant control and diagnosis strategies for cartesian industrial robot motion control planning system =
Tõrketaluvusega juhtimis- ja diagnostikastrateegiad tööstusliku karteesianroboti liikumise planeerimise juhtimissüsteemi jaoks

Autsou, Siarhei 2025 https://www.ester.ee/record=b5734587*est <https://digikogu.taltech.ee/et/Item/c9afdbf3-354b-41f5-a705-ed924a2af21>
<https://doi.org/10.23658/taltech.14/2025>

A flapped paddle-fin for improving underwater propulsive efficiency of oscillatory actuation

Simha, Ashutosh; Gkliva, Roza; Kotta, Ülle; Kruusmaa, Maarja IEEE robotics and automation letters 2020 / p. 3176-3181
<https://doi.org/10.1109/LRA.2020.2975747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Flexible approach of professional competences in times of economic downturn

Brindfeldt, Eduard; Grinko, Aleksandr 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 158-165 : ill

Human aspects at design of mechatronic systems

Kaljas, Frid; Källo, R.; Reedik, Vello Proceedings of the 9th Mechatronic Forum International Conference held in August 30 - September 1, 2004, Ankara, Turkey 2004 / p. 147-157

A human-adaptive-mechatronics assisted system for training constructional ability

Miyashita, O.; Tsukamoto, S.; **Kuusik, Alar**; Miyata, D.; Yoshida, T.; **Vain, Jüri**; Ishigami, S. Proceedings of the 8th International Conference on Mechatronics Technology : ICMT2004 : Hanoi, Vietnam, November 8-12, 2004 2004 / p. 551-555

Huvi elektroenergeetika ja mehhatroonika vastu on kasvanud: TalTechis alustab õpinguid 117 noort

toostusuudised.ee 2023 [Huvi elektroenergeetika ja mehhatroonika vastu on kasvanud: TalTechis alustab õpinguid 117 noort](#)

Implementation of Digital Twins for electrical energy conversion systems in selected case studies

Rassõlkin, Anton; Orosz, Tamas; **Demidova, Galina**; **Kuts, Vladimir**; **Rjabtšikov, Viktor**; **Vaimann, Toomas**; **Kallaste, Ants** Proceedings of the Estonian Academy of Sciences 2021 / p. 19-39 : ill <https://doi.org/10.3176/proc.2021.1.03> https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-19-39_20210201183802.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Important aspects of early design in mechatronic

Sell, Raivo; Coatanea, Eric; Christophe, Francois Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [1] 2008 / p. 177-182 : ill
https://www.academia.edu/18741665/Important_Aspects_of_Early_Design_in_Mechatronic

Indigo aitab areneda mehhatroonikal

Sternfeld, Rainer Äripäev 2006 / 4. okt, Tööstus, lk. 24, 26 : ill

Indispositions at the design of interdisciplinary systems

Tähemaa, Toivo; Kaljas, Frid; Martin, Andres; Reedik, Vello Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 66-69

Innovaatilise äristruktuuri ja kõrgtehnoloogia aeg

Riives, Jüri Inseneeria 2010 / 1, lk. 44-47 : ill https://artiklid.elnet.ee/record=b1942914*est

Innovative co-operation between educational institutions of different levels in the framework of Leonardo da Vinci mechatronics programme

Laugis, Juhan; Lehtla, Tõnu Actual Problems of Electrical Drives and Industry Automation : the 3rd Research Symposium of Young Scientists : Tallinn, Estonia, May 19-26, 2001 2001 / p. 9-10 https://www.ester.ee/record=b1507877*est

Innovative study kit for advanced mechatronic experiments

Seiler, Sven; Köhn, Carsten; **Sell, Raivo**; **Otto, Tauno** 9th International Workshop on Research and Education in Mechatronics : Bergamo, Italy, 2008 2008 / [5] p. : ill

Insener Siret Hinno: mehhatroonika on põnevam kui üksikud õppeained eraldi

Ramler, Gerli; Hinno, Siret visionest.institute 2024 [Insener Siret Hinno: mehhatroonika on põnevam kui üksikud õppeained eraldi](#)

Inseneride ettevalmistamisest mehhatroonikas : [ettekannet messil Enerex 2001 ümarlauas 2. märtsil 2001]

Ajaots, Maito Tallinna Tehnikaülikooli aastaraamat 2001 2003 / lk. 252-261

Inseneriteaduskonnas õppiv Elis: ülikooli jooksul on mult küsitud, miks ma õmblejaks ei läinud

Vedom, Elis delfi.ee 2024 [Inseneriteaduskonnas õppiv Elis: ülikooli jooksul on mult küsitud, miks ma õmblejaks ei läinud](#)

Integrated design framework : towards an approach for early design

Christophe, Francois; **Sell, Raivo**; Coatanea, Eric; Micaelli, Jean-Pierre International Conference on Engineering and Product Design Education : 4 & 5 September 2008, Barcelona, Spain 2008 / ? p
<https://www.designsociety.org/publication/28079/Integrated+Design+Framework%3A+Towards+an+Approach+for+Early+Design>

Integrated systems and design

2008 http://www.ester.ee/record=b2431612*est

Integration of V-model and SysML for advanced mechatronics system design

Sell, Raivo; Tamre, Mart Proceedings of REM2005 : International Conference on Research & Education in Mechatronics 2005 / p. 43 https://www.researchgate.net/publication/259513345_Integration_of_V-model_and_SysML_for_advanced_mechatronics_system_design

International DAAAM : proceedings of the 1st International Conference, 25-27th September 1997, Tallinn, Estonia

1997 https://www.ester.ee/record=b3050171*est

Interstudy e-curriculum

Sell, Raivo 2008 https://www.ester.ee/record=b2415399*est

Interstudy, May 9, 2008

2008 http://www.ester.ee/record=b2415385*est

Iseliikuvad poekärad võistlusel : [tehnikauilikooli suvekursus mehhatroonika, industriaaldisaini ja reklaamiameedia alal]

Eesti Päevaleht 2006 / 18. aug., lk. 9 : fot <https://epl.delfi.ee/artikkel/51052858/iseliikuvad-poekarud-voistlusel>

[Jonas Söderlund esinemas 11. nov. TTÜs toimunud mehhatroonikavaldkonna seminaril "Sertifitseerimine ja testimine - standardid, normatiivid, katselaborid" : foto allkirjaga]

Mente et Manu 2004 / lk. 1 : fot https://www.ester.ee/record=b1242496*est

Kadrina keskkooli vilistlane pälvib Anto Raukase stipendiumi

laanevirumaaudised.ee 2023 [Kadrina keskkooli vilistlane pälvib Anto Raukase stipendiumi](#)

Kuidas 21-aastane Elis läks õppima eriala, millest ta ei teadnud mitte midagi, ja sai kolmele kohale tööle

Vedom, Elis geenius.ee 2024 [Kuidas 21-aastane Elis läks õppima eriala, millest ta ei teadnud mitte midagi, ja sai kolmele kohale tööle](#)

Kuidas õpetada mehhatroonikat? : [robotiehitamisest TTÜ mehhatroonikainstituudis]

Sell, Raivo A & A 2005 / 5, lk. 10-12 : ill

Kus õpivad tänapäeva leiutajad? [Võrguväljaanne]

delfi.ee 2022 [Kus õpivad tänapäeva leiutajad?](#)

Lauri Eensalu: lahendused peavad olema terviklikud ja toetama äri kasvu

Eensalu, Lauri TööstusEST 2025 / lk. 40-42 : fot https://www.ester.ee/record=b4481084*est

Learning situations and remote labs in embedded system education

Sell, Raivo; Seiler, Sven Proceedings of 14th International Workshop on Research and Education in Mechatronics 2013 / p. 97-101 : ill https://www.researchgate.net/publication/256116848_Learning_Situations_and_Remote_Labs_in_Embedded_System_Education

Learning situations in an embedded system : NetLab project

Kremer, Martina; Seiler, Sven; Kuvaja, Markus; Ptasik, Dennis; **Lehtla, Tõnu**; Ellermaa, Rain; Pähnapuu, Lembit; Randmaa, Riina; Pikner, Heiko; Heinaste, Urmas; Bernhard, Dirk; **Sell, Raivo** 2013 https://www.ester.ee/record=b3045839*est

Mart Tamre : nüüdisrobotika maaletooja

Strandberg, Marek 100 Nägu Eestist ja maailmast 2022 [Mart Tamre: nüüdisrobotika maaletooja](#)
https://www.ester.ee/record=b4756905*est

Mart Tamrega robotite inkubaatoris

Käärt, Ulvar Horisont 2015 / lk. 41-42 : ill https://artiklid.elnet.ee/record=b2709955*est

Masinaid ja aparaadid meie keeles ja meeles : ettekanne XXXV automaatikapäeval 12. märtsil 1997 TTÜ aulas

Ajaots, Mairo Tallinna Tehnikaülikooli aastaraamat 1997 1998 / lk. 163-170 https://www.ester.ee/record=b1212786*est

Measurement methods with 3D coordinate measuring machine and improved characterization setup for detector performance = Mõõtemetodid detektori toimimise iseloomustamiseks 3D-koordinaatmõõtemasina ja arendatud mõõteskeemiga

Dhoska, Klodian 2016 <https://digi.lib.ttu.ee/i/?5296> https://www.ester.ee/record=b4574991*est

MECA teel kõrgtehnoloogilise tootmise suunas

Anvelt, Juhan; Riives, Jüri Inseneeria 2013 / lk. 30-31 : ill https://artiklid.elnet.ee/record=b2556103*est

Mechatronic - new profession in Estonia

Rosin, Argo; Laugis, Juhan; Lehtla, Tõnu Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 79-81 : ill

Mechatrical system to investigate the wear and shift of construction elements

Ajaots, Maido; Jakobson, Mart; Ojamäe, Argo; Pihl, Toomas OST-98 Symposium on Machine Design : [Oulanka, Finland, October 1-3, 1998] : proceedings 1998 / p. 51-55: ill https://www.ester.ee/record=b1237246*est

Mechatronics in initial vocational training

Rosin, Argo; Lehtla, Tõnu; Laugis, Juhan The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 225-228 : ill

Mechatronics modeling methodology and semantic orientated knowledge base

Sell, Raivo; Seiler, Sven Annals of DAAAM for 2009 & proceedings of the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Theory, Practice and Education" : 25-28th November 2009, Vienna, Austria 2009 / p. 1723-1724 : ill

Mechatronics new study field or new branch of science and engineering

Laugis, Juhan; Lehtla, Tõnu 10th International Power Electronics and Motion Control Conference : EPE-PEMC 2002, Cavtat & Dubrovnik : 9-11 September 2002, Cavtat & Dubrovnik, Croatia 2002

Mechatronics simulations at military training in Estonia

Vaher, Tõnu International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p

Mechatronics system design in conceptual stage

Sell, Raivo Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 82-85 : ill

Mechatronics system design process and methodologies

Sell, Raivo; Tamre, Mart EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems 2004 / p. 6-20 - 6-25 : ill

Mechatronics technology and transportation sustainability : editorial

Rassõlkin, Anton; Tammi, Kari; Demidova, Galina; Hosseinia Kani, Seyed Hassan Sustainability 2022 / art. 1671 <https://doi.org/10.3390/su14031671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MechMate : metoodika, õppekava ja kasutusjuhised

Lehtla, Tõnu; Pettai, Elmo 2018 <https://digi.lib.ttu.ee/i/?12131> https://www.ester.ee/record=b5227432*est

MechMate õppematerjalid : [õpikute kogumik]

Kütt, Lauri; Pettai, Elmo; Müür, Margus; Maask, Vahur; Lehtla, Tõnu 2018 <https://digi.lib.ttu.ee/i/?12126>

MechMate õppematerjalid [Võrguteavik]

Kütt, Lauri; Pettai, Elmo; Müür, Margus; Maask, Vahur; Lehtla, Tõnu 2019 https://www.ester.ee/record=b5227431*est <https://digi.lib.ttu.ee/i/?12126>

Mehaanikainseneri käsiraamat

Gomeriger, Roland; Heinzler, Max; Kilgus, Roland 2022 https://www.ester.ee/record=b5469119*est

Mehaanikainseneri käsiraamat

2015

Mehaanikainseneri käsiraamat

2013 https://www.ester.ee/record=b3007631*est

Mehaanikainseneri käsiraamat

2012 https://www.ester.ee/record=b2860301*est

Mehhatroonika - uus elukutse, tehnika- või teadusharu?

Lehtla, Tõnu Elektriala 2001 / 5, lk. 7-9

Mehhatroonika ja täppistootetehnika labori loomise ja aparatuuri valiku ning projekteerimise didaktilised ja teaduslikud alused : aruanne

Ajaots, Mairo 1994 https://www.ester.ee/record=b2083960*est

Mehhatroonikainstituut

Tamre, Mart TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 53-66 : ill., fot http://www.ester.ee/record=b2720689*est

Mehhatroonikainstituut

Tamre, Mart 70 aastat mehaanikateaduskonda / Tallinna Tehnikaülikool 2006 / lk. 53-59 : portr

Mehhatroonikud kohtusid Prantsuse Alpides : [konverents Research and Education in Mechatronics]

Tamre, Mart Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 380-382

Mehhatroonikud on võimelised tegema kõike [Võrguväljaanne]

Hirno, Kristjan delfi.ee 2021 ["Mehhatroonikud on võimelised tegema kõike"](https://delfi.ee/2021/05/21/mehhatroonikud-on-võimelised-tegema-kõike/)

Mehhatroonikud teevad roboteid kaitsevääle ja metsameestele : [TTÜ mehatroonikainstituudi projektidest]

Niglas, Mihkel Linnaleht 2008 / 17. jaan., lk. 8

Methodologies on the mechatronics domain

Sell, Raivo; Leomar, Priit OST-03 Symposium on Machine Design 2003 / p. 53-59 : ill

https://www.researchgate.net/publication/259519138_Methodologies_on_the_Mechatronics_Domain

Microcontroller based intelligent platform for research and education in mechatronics

Sell, Raivo; Seiler, Sven; Ptasik, Dennis Mecatronics REM 2012 : Supmeca Paris, November 21st-23rd : proceedings 2012 / p.

188-193 : ill <https://ieeexplore.ieee.org/document/6451007>

Mikrokontrollerid ja praktiline robotika

Sell, Raivo; Leini, Mikk; Salong, Peeter 2010 http://www.ester.ee/record=b2583638*est

Model based mechatronic systems modeling methodology in conceptual design stage

Sell, Raivo 2007 https://www.ester.ee/record=b2298261*est

Modelling of the human knee joint supported by active orthosis

Musalimov, Victor; Monahov, Juri; Tamre, Mart; Rõbak, Dmitri; Sivitski, Alina; Arjassov, Gennadi; Penkov, Igor International

journal of applied mechanics and engineering 2018 / p. 107-120 : ill <https://doi.org/10.1515/ijame-2018-0007> Journal metrics at Scopus

[Article at Scopus](#)

Modern mechatronics and robotics education program: border cooperation between Estonia and Russia

Rassõlkin, Anton; Vaimann, Toomas; Kudelina, Karolina; Demidova, Galina; Lukichev, Dmitry; Perepelkina, Svetlana

Proceedings of the 2020 IEEE Global Engineering Education Conference (EDUCON) : Engineering Education for the Future in a

Multicultural and Smart World, 27-30 April, 2020, Porto, Portugal 2020 / p. 1272-1277 : ill

<https://doi.org/10.1109/EDUCON45650.2020.9125406>

Motivation and overview

Sell, Raivo Integrated systems and design : interstudy, May 9, 2008 2008 / p. 11-12

Needs for retraining of fossil fuel mining area workforce in Estonia and Poland [Electronic resource]

Rassõlkin, Anton studyinestonia.ee 2022 [Needs for retraining of fossil fuel mining area workforce in Estonia and Poland](https://studyinestonia.ee/2022/05/21/needs-for-retraining-of-fossil-fuel-mining-area-workforce-in-estonia-and-poland/)

Negative synergy in teamwork

Martin, Andres Socio-technical synergetics 2024 / p. 39-50 : ill https://www.ester.ee/record=b5651350*est

Neljakümne aasta järel uus käsiraamat mehaanikainseneridele : sõnavõtt "Mehaanikainseneri käsiraamatu" esitlusel 21. juunil 2012 TTÜ raamatukogus

Kulu, Priit Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 279-281

New concept and ICT based tools for raising the qualification level in mechatronics and related fields

Sell, Raivo; Seiler, Sven Proceedings of 10th International Workshop on Research and Education in Mechatronics : 10-11

September 2009, Glasgow, UK 2009 / p. 43-44

https://www.researchgate.net/publication/259503701_New_Concept_and_ICT_Based_Tools_for_Raising_the_Qualification_Level_in_Mechatronics_and_Related_Fields

New object-oriented approach of modelling mechatronics system in conceptual stage

Sell, Raivo; Tamre, Mart Proc. of 5th Int. Workshop on Research and Education in Mechatronics 2004 / p. 75-80

Noorte huvi energeetika vastu kasvab hoogsalt

Palu, Ivo Elektriala 2024 / lk. 30-31 : fot https://www.ester.ee/record=b1240496*est

On functional reliability of mechatronics systems at early stages of product development

Källo, Rommi; Reedik, Vello OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 103-108 : ill

On reliability criteria of mechatronic systems

Tähemaa, Toivo OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 205-207
https://www.ester.ee/record=b1083704*est

On reliability dimension in product development of mechatronic systems

Tähemaa, Toivo; Reedik, Vello TMCE 2000 : Third International Symposium on Tools and Methods of Competitive Engineering : April 18-21, 2000, Delft, The Netherlands 2000 / p. 197-202 : ill

On synergistic aspects in integrated product development of mechatronic systems

Kaljas, Frid; Reedik, Vello Mechatronics '98 : proceedings of the 6th UK Mechatronics Forum International Conference, Skövde, Sweden, 9-11 September 1998 1998 / p. 513-516

On the effectivity of modular robot systems

Moor, Kristjan; Reedik, Vello OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 107-114: ill

Online engineering for future factory

Sell, Raivo; Otto, Tauno Annals of DAAAM for 2009 & proceedings of the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Theory, Practice and Education" : 25-28th November 2009, Vienna, Austria 2009 / p. 1695-1696 : ill https://www.researchgate.net/publication/259503657_Online_Engineering_for_Future_Factory

Over- and understeering with a limited slip differential

Resev, Jüri; Roosimölder, Lembit; Siitas, Marko Proceedings of NordDesign 2008 : August 21-23, 2008 2008 / p. 358-365 : ill
<https://www.designsociety.org/publication/27385/Over-and-understeering-with-a-Limited-Slip-Differential>

Overview and general definitions of the design process

Coatanea, Eric; Sell, Raivo; Christophe, Francois Integrated systems and design : interstudy, May 9, 2008 2008 / p. 83-97 : ill

Paar sõna mehhatroonikast : [raamatunäitus "Mehhatroonikasüsteemid" ja terminist "mehhatroonika" (prof. Mairo Ajaotsa selgitus)]

Žukova, Alla Tehnikaülikool 1998 / 9. veebr., lk. 3

Piiteris olümpiaadil

Simson, Taavi Studioosus 2013 / lk. 16-17 https://www.ester.ee/record=b1558644*est

Positive and negative synergy at mechatronic systems design

Tähemaa, Toivo; Reedik, Vello Proceedings of NordDesign 2000 2000 / p. 35-44 : ill

Practical example of the development stages of a mechatronic product

Coatanea, Eric; Sell, Raivo; Christophe, Francois Integrated systems and design : interstudy, May 9, 2008 2008 / p. 99-115 : ill

Precision engineering and mechatronics trends in Estonia

Ajaots, Mairo; Rang, Toomas; Tamre, Mart NordDesign'96 : 28.-30.8.1996, Helsinki University of Technology, Espoo, Finland : proceedings 1996 / p. 289-296: ill

Preface. Selected papers of the 8th International Conference on Industrial Engineering, DAAAM Baltic 2012

Otto, Tauno Estonian journal of engineering 2013 / p. 3

Proceedings of the 2nd European Workshop on Education in Mechatronics : the Baltic Sea Workshop under the theme : A new Approach to Engineering Education, Fachhochschule Kiel, Germany, University of Applied Sciences, 20-22 September 2001

Wagner, Friedrich Ernst; Bähnc, Frauke 2002 https://www.ester.ee/record=b1775432*est

Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia

Papstel, Jüri; Katalinic, Branko 2000 https://www.ester.ee/record=b3050171*est

Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia

2002 http://www.ester.ee/record=b3050171*est

Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia

2004 http://www.ester.ee/record=b3050171*est

Proceedings of the 5th International Conference of DAAAM Baltic : Industrial Engineering - Adding Innovation Capacity of Labour Force and Entrepreneur : 20-22 April 2006, Tallinn, Estonia

2006 https://www.ester.ee/record=b3050171*est

Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia

2008 http://www.ester.ee/record=b3050171*est

Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [1]

2008 http://www.ester.ee/record=b3050171*est

Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [1]

2010 http://www.ester.ee/record=b3050171*est

Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [2]

2010 https://www.ester.ee/record=b3050171*est

Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1

2012 https://www.ester.ee/record=b3050171*est

Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2

2012 http://www.ester.ee/record=b3050171*est

Proceedings of the 9th Baltic Mechatronics Symposium, Tallinn, May 15, 2024

2024 <https://aaltoodoc.aalto.fi/server/api/core/bitstreams/6903c9fa-3834-4eb4-8a37-13efc0e5b2d2/content>

Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia

2014 http://www.ester.ee/record=b3050171*est

Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia

2015 http://www.ester.ee/record=b3050171*est

Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia

2016 <http://innomet.ttu.ee/daaam/>

Prognosis of the competitive dependability of mechatronics products

Tähemaa, Toivo; Reedik, Vello 13th International Conference on Engineering Design - ICED 01 : Design Applications in Industry and Education : 21-23 August 2001, Glasgow, UK 2001 / p. 3-10 : ill

Püsikiirushoidjad ja ise avanevad ukssed : mida nõuab automatiseeritud süsteemide ehitamine?

digi.geenius.ee 2021 <https://digi.geenius.ee/rubriik/teadus-ja-tulevik/pusikiirushoidjad-ja-ise-avanevad-ukssed-mida-nouab-automatiseeritud-susteemide-ehitamine/>

Real-time mechatronics measurement system in virtual environment

Sell, Raivo Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 58-61 : ill

Recognition of the surgeon's motions during endoscopic operation by statistics based algorithm and neural networks based ANARX models

Nõmm, Sven; Petlenkov, Eduard; Vain, Jüri; Belikov, Juri; Miyawaki, Fujio; Yoshimitsu, Kitaro Proceedings of the 17th World Congress The International Federation of Automatic Control : Seoul, Korea, July 6-11, 2008 2008 / p. 14773-14778
<https://www.sciencedirect.com/science/article/pii/S1474667016413662>

Reliability criteria continuously developing mechatronic systems

Tähemaa, Toivo; Reedik, Vello 2nd International Conference on Machine Automation. Advanced Mechatronics: first-time-right, September 15-18, 1998, Tampere, Finland : proceedings of the ICMA'98. Vol. 2 1998 / p. 831-837: ill

Research on upper-body exoskeletons for performance augmentation of production workers

Abdelmomen, Mohamed; Dengiz, Ozan Fuat; Hoda, Samir; **Tamre, Mart** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 0904-0913 : ill
<https://doi.org/10.2507/30th.daaam.proceedings.126>

Robotiparv päästab maasikapõllud

Postimees 2020 / Lk. 16 : fot <https://dea.digar.ee/article/arter/2020/09/26/13.1>

Safety verification of degrading mechatronic systems

Vain, Jüri; Kuusik, Alar; Kaljas, Frid The Fourth International Conference on Machine Automation : Human-Friendly Reliable Mechatronics, September 11-13, 2002, Tampere, Finland : proceedings of the ICMA'02 2002 / p. 615-622 : ill

Servo drives - the use and importance in teaching mechatronics

Brindfeldt, Eduard; Grinko, Aleksandr EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6-8 September 2010, Ohrid, Republic of Macedonia 2010

Situation and trends of mechatronics as an interdisciplinary field in today's Estonia

Ajaots, Mairo; Tamre, Mart Proceedings of the 2nd European Workshop on Education in Mechatronics : the Baltic Sea Workshop under the theme : A new Approach to Engineering Education, Fachhochschule Kiel, Germany, University of Applied Sciences, 20-22 September 2001 2002 / p. 71-79 : ill

Synergy dimension at the design of interdisciplinary systems

Kaljas, Frid; Martin, Andres; Tähemaa, Toivo; Reedik, Vello OST-03 Symposium on Machine Design 2003 / p. 138-147 : ill

Synergy-based approach to design of the interdisciplinary systems

Kaljas, Frid 2005 https://www.ester.ee/record=b2045304*est

TalTech is helping to raise the quality of technical higher education in Belarus

Vaimann, Toomas studyinestonia.eu 2021 / 1 p <https://www.studyinestonia.eu/news/taltech-helping-raise-quality-technical-higher-education-belarus>

TalTech is participating in the development of remote laboratories in the field of mechatronics [Electronic resource]

Rassõlkin, Anton studyinestonia.eu 2021 / 1 p <https://www.studyinestonia.eu/news/taltech-participating-development-remote-laboratories-field-mechatronics>

TalTechi podcast : mehhatroonikas hiilivad karjäärivõimalused ligi juba enne kooli lõpetamist [Võrguväljaanne]

forte.delfi.ee 2022 ["TalTechi podcast : mehhatroonikas hiilivad karjäärivõimalused ligi juba enne kooli lõpetamist"](https://forte.delfi.ee/2022/09/26/taltech-podcast-mehhatroonikas-hiilivad-karjäärivõimalused-ligi-juba-enne-kooli-lõpetamist)

TalTechi tudeng Brenda: inseneriõpingud avasid ukse hoopis uude, pööraselt kulgevasse maailma

arileht.delfi.ee 2024 [TalTechi tudeng Brenda: inseneriõpingud avasid ukse hoopis uude, pööraselt kulgevasse maailma](https://arileht.delfi.ee/2024/09/26/taltech-tudeng-brenda-inseneriõpingud-avasid-ukse-hoopis-uude-pööraselt-kulgevasse-maailma)

TalTechis toimus 9. Balti Mehhatroonika Sümpoosion

toostusest.ee 2024 [TalTechis toimus 9. Balti Mehhatroonika Sümpoosion](https://toostusest.ee/2024/09/26/taltechis-toimus-9-balti-mehhatroonika-sympoosion)

Tehnikaülikooli tudengid käivad koolides õpetamas

saartehaall.postimees.ee 2023 [Tehnikaülikooli tudengid käivad koolides õpetamas](https://saartehaall.postimees.ee/2023/09/26/tehnikaülikooli-tudengid-käivad-koolides-õpetamas)

Tehnikaülikoolis uus magistrikava : elektrotehnika ja mehhatroonika

toostusest.ee 2023 [Tehnikaülikoolis uus magistrikava: elektrotehnika ja mehhatroonika](https://toostusest.ee/2023/09/26/tehnikaülikoolis-uus-magistrikava-elektrotehnika-ja-mehhatroonika)

Tehnikaülikoolis uus magistrikava: elektrotehnika ja mehhatroonika

EhitusEST 2023 / lk. 23 https://www.ester.ee/record=b4442657*est

Tehnopolis avati kosmosetehnoloogiline Mehhatroonikum

Inseneeria 2012 / lk. 7

Teooria ja praktika sümbioos inseneriõppes ehk elektriainite tulevik

TööstusEST 2024 / lk. 22-23 https://www.ester.ee/record=b4481084*est

Teooria ja praktika sümbioos inseneriõppes ehk elektriainite tulevik

toostusest.ee 2024 [Teooria ja praktika sümbioos inseneriõppes ehk elektriainite tulevik](https://toostusest.ee/2024/09/26/teooria-ja-praktika-sümbioos-inseneriõppes-ehk-elektriainite-tulevik)

The main challenges and opportunities in mechatronics

Rassõlkin, Anton 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 25-26 https://www.ester.ee/record=b5291755*est

The modern approach to practical trainings for specialists of automatics [Electronic resource]

Grinko, Aleksandr EPE 2007 : 12th European Conference on Power Electronics and Applications : 2-5 September 2007, Aalborg, Denmark 2007 / [10] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4417354>

The new approach in education for specialists of mechatronics

Grinko, Aleksandr 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 197-204 : ill

The subject "Automatics" at a studying of mechatronics specialists

Grinko, Aleksandr 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 207-212 : ill

The teaching of subject "Automatics" at a studying of mechatronics specialists

Grinko, Aleksandr Electrical and control technologies : proceedings of the 2nd International Conference on Electrical and Control Technologies : ECT-2007 : May 3-4, 2007, Kaunas, Lithuania 2007 / p. 26-29 : ill

The use of mobile robots at mechatronics curricula as didactic aids

Tamre, Mart Proceedings of the 2nd European Workshop on Education in Mechatronics : the Baltic Sea Workshop under the theme : A new Approach to Engineering Education, Fachhochschule Kiel, Germany, University of Applied Sciences, 20-22 September 2001 2002 / p. 259-263 : ill

Tippinseneride koolitamine on väljakutse

Voll, Hendrik EhitusEST 2023 / lk. 24-25 : fot https://www.ester.ee/record=b4442657*est

A toolbox to design and study mechatronic systems

Vodovozov, Valery; Raud, Zoja Proceedings of the 29th IASTED International Conference on Modelling, Identification and Control (MIC 2010) : February 15-17, 2010 Innsbruck, Austria 2010 / p. 276-283 : ill. [CD-ROM]

Trends in positive and negative synergy at mechatronic systems

Tähemaa, Toivo Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 102-105 : ill

TTÜ andis välja "Mehaanikainseneri käsiraamatu"

Inseneeria 2016 / lk. 49 : ill

TTÜ struktuurimuutuste tulemustest

Palu, Ivo Elektriala 2018 / lk. 14-15 http://www.ester.ee/record=b1240496*est https://artiklid.elnet.ee/record=b2833873*est

TTÜ tipptehnoloogilised kaamerad näevad nähtamatut

Jõesaar, Tuuli Eesti Päevaleht 2017 / lk. 6 <https://epl.delfi.ee/artikkel/77029806/ttu-tipptehnoloogilised-kaamerad-naevad-nahtamatut>

12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012

2012 http://www.ester.ee/record=b2860606*est

Tööstus 4.0 ja selle mõjud Eesti tööstusele ja haridusele

Riives, Jüri Riigikogu Toimetised 2015 / lk. 42-50 https://artiklid.elnet.ee/record=b2729401*est

Using wireless sensor network components in practical assignments of master's study mechatronics course

Hiimaa, Maido; Tamre, Mart 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 193-196 : ill

Various ways for controlling different types of devices using EMG signals

Rõbak, Dmitri; Penkov, Igor Machines, technologies, materials 2017 / p. 128-130 : ill <http://stumejournals.com/mtm.html>

Various ways for controlling different types of devices using EMG technology

Rõbak, Dmitri Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 174-176 : ill

Warranty of functional reliability of mechatronics systems at early stages of product development

Källo, Rommi; **Reedik, Vello** International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p

Õpituatsioonid mehhatroonikas ja robotikas

Kremer, Martina; Seiler, Sven; Kuvaja, Markus; **Lehtla, Tõnu; Pikner, Heiko; Sell, Raivo** 2013

http://www.ester.ee/record=b3004886*est

Ühiskond vajab hädasti elektrotehnika ja mehhatroonika insenere

Tamm, Liivi TööstusEST 2025 / lk. 62-65 : fot, portr https://www.ester.ee/record=b4481084*est

Ülevaade lõputöödest : TalTechi elektrotehnika ja mehhatroonika õppekaval sai magistrikraadi seitse lõpetajat

Rassõlkin, Anton Elektriala 2025 / lk. 32-33 : fot https://www.ester.ee/record=b1240496*est

Ülevaade mehhatroonikaümarlauast

Lehtla, Tõnu; Teemets, Raivo Elektriala 2001 / 3, lk. 10

Ülevaade TTÜ viimase aasta doktoritöödest

Palu, Ivo Elektriala 2019 / lk. 26-28 : ill http://www.ester.ee/record=b1240496*est

Как 21-летняя Элис пошла изучать профессию, о которой ничего не знала, и устроилась на три работы

Vedom, Elis Narvskaja Gazeta 2024 / с. 23 [Как 21-летняя Элис пошла изучать профессию, о которой ничего не знала, и устроилась на три работы](#)