

### **Advanced concepts integration for the compression of construction project schedule**

**Ševtšenko, Eduard; Zahharov, Roman; Karaulova, Tatjana; Wang, Y.** DAAAM international scientific book 2008 2008 / p. 759-772  
: ill [https://www.daaam.info/Downloads/Pdfs/science\\_books\\_pdfs/2008/Sc\\_Book\\_2008-061.pdf](https://www.daaam.info/Downloads/Pdfs/science_books_pdfs/2008/Sc_Book_2008-061.pdf)

### **AI generated route data pre-processing for faster decision making**

Maas, Rene; Ševtšenko, Eduard; **Karaulova, Tatjana** 2024 8th International Young Engineers Forum on Electrical and Computer Engineering (YEF-ECE) 2024 / p. 82-87 <https://doi.org/10.1109/YEF-ECE62614.2024.10625086>

### **An IoT-based approach to digitalize a manufacturing system**

**Mahmood, Kashif; Otto, Tauno; Karaulova, Tatjana; Ševtšenko, Eduard** 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 257-261 : ill [http://ise.elnet.ee/record=b2950215~S2\\*est](http://ise.elnet.ee/record=b2950215~S2*est)

### **Analysis of machine production processes by risk assessment approach**

**Mahmood, Kashif; Ševtšenko, Eduard** Journal of machine engineering 2015 / p. 112-124 : ill

### **Application of component organized learning method for DIGSCM 4.0 hybrid courses**

Ševtšenko, Eduard; Maas, Rene; **Karaulova, Tatjana**; Truver, Anna; Nikolajeva, Anna; Revals, Ritvars; Popell, Janek; Dembovska, Iveta; Samuolaitis, Mindaugas; Raupeliene, Asta Learning in the Age of Digital and Green Transition : proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 1 2023 / p. 157-170 [https://doi.org/10.1007/978-3-031-26876-2\\_15](https://doi.org/10.1007/978-3-031-26876-2_15) [https://link.springer.com/chapter/10.1007/978-3-031-26876-2\\_15](https://link.springer.com/chapter/10.1007/978-3-031-26876-2_15) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Architecture management approach for integration of small enterprises to collaborative network**

**Polyantchikov, Igor**; Bangalore Srinivasa, Anoop; Veerana Naikod, Guruprakash; **Tara, Taavi; Kangilaski, Taivo; Ševtšenko, Eduard** 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 / p. 151-156 : ill

### **Attracting youth to the occupations in the food industry, agriculture and engineering : issues for policy and practice**

Tandzegolskiene, Ilona; Tutlys, Vidmantas; **Ševtšenko, Eduard** ICERI 2018 : 11th International Conference of Education, Research and Innovation Seville (Spain) 12-14 November, 2018 : conference proceedings 2018 / p. 1637-1643  
<http://dx.doi.org/10.21125/iceri.2018.1369>

### **Baltimaade ülikoolidelt kooliõpetajatele : materjalid insenerihariduse populariseerimiseks**

**Ševtšenko, Eduard** Mente et Manu 2019 / lk. 42-45 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est) [https://www.ttu.ee/public/m/mente-et-manu/MM\\_01\\_2019/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html)

### **Case study of decision making for collaborative network of SME-s**

**Ševtšenko, Eduard; Karaulova, Tatjana** Proceedings of the 2007 Research Conference : IIE Annual Conference May 19-23, 2007, USA, Tennessee 2007 / ? p <https://www.proquest.com/openview/fda9dae13cb2eb3a747e7e19f35dbda9/1.pdf?pq-origsite=gscholar&cbl=51908>

### **Challenges and prospective of maintenance in SMEs Collaborative Network**

**Polyantchikov, Igor; Pribytkova, Marina; Ševtšenko, Eduard** 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. 126-130 : ill

### **Classification of supply chain practices according to customer values in automotive industry**

Maleki, Meysam; **Liiv, Innar; Ševtšenko, Eduard**; Cruz-Machado, V. Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 542-547 : ill

### **Collaborative framework for virtual organisation**

**Polyantchikov, Igor; Ševtšenko, Eduard** Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [III] 2010 / p. 398-403 : ill

### **Collaborative project management framework for partner network initiation**

**Ševtšenko, Eduard; Poljantšikov, Igor; Mahmood, Kashif; Kangilaski, Taivo; Norta, Alexander** Procedia engineering 2015 / p. 159-168 : ill <https://doi.org/10.1016/j.proeng.2015.01.354> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Collaborative project management framework for partner network initiation in machining domain [Online resource]**

**Ševtšenko, Eduard; Polyantchikov, Igor; Mahmood, Kashif; Kangilaski, Taivo; Norta, Alexander; Karaulova, Tatjana**; Perm, Ardo Proceedings of the 18th Online World Conference on Soft Computing in Industrial Applications (WSC18) 2018 / p. 215-233 : ill [https://doi.org/10.1007/978-3-030-00612-9\\_19](https://doi.org/10.1007/978-3-030-00612-9_19) <https://link.springer.com/content/pdf/bfm%3A978-3-030-00612-9%2F1.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Comparative analysis of customer value dimensions**

Maleki, Meysam; **Ševtšenko, Eduard**; Cruz-Machado, Virgilio Inžinerine ekonomika = Engineering economics 2013 / p. 488-495

<https://inzeko.ktu.lt/index.php/EE/article/view/3241> <https://doi.org/10.5755/j01.ee.24.5.3241> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

#### **Component organised learning method for digital supply chain hybrid courses**

**Murumaa, Lea; Ševtšenko, Eduard; Karaulova, Tatjana** Mobility for Smart Cities and Regional Development - Challenges for Higher Education : proceedings of the 24th International Conference on Interactive Collaborative Learning (ICL2021). Vol. 1 2022 / p. 691-705 [https://doi.org/10.1007/978-3-030-93904-5\\_69](https://doi.org/10.1007/978-3-030-93904-5_69) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at Scopus](#)

#### **Data mart with Lean six sigma concept for performance level assessment in knowledge management framework**

**Sahno, Jevgeni; Ševtšenko, Eduard; Karaulova, Tatjana** Proceedings of the 14th European Conference on Knowledge Management : Kaunas, Lithuania, 5-6 September 2013. Volume two 2013 / p. 932-941  
[https://www.researchgate.net/publication/291974878\\_Data\\_Mart\\_with\\_Lean\\_Six\\_Sigma\\_Concept\\_for\\_Performance\\_Level\\_Assessment\\_in\\_Knowledge\\_Management\\_Framework](https://www.researchgate.net/publication/291974878_Data_Mart_with_Lean_Six_Sigma_Concept_for_Performance_Level_Assessment_in_Knowledge_Management_Framework)

#### **Decision analysis in project management process**

**Kramarenko, Sergei; Ševtšenko, Eduard; Karaulova, Tatjana; Wang, Y.** Journal of machine engineering 2008 / 2, p. 104-111

#### **Decision support system for multi-project cash-flow management**

**Kramarenko, Sergei; Ševtšenko, Eduard** 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. 1111-1112 : ill [https://www.researchgate.net/publication/289455147\\_Decision\\_support\\_system\\_for\\_multi-project\\_cash-flow\\_management](https://www.researchgate.net/publication/289455147_Decision_support_system_for_multi-project_cash-flow_management)

#### **Decision support under uncertainties based on robust Bayesian networks in reverse logistics management**

**Ševtšenko, Eduard; Wang, Yan** International journal of computer applications in technology 2009 / 3/4, p. 247-258  
[https://www.researchgate.net/publication/220171109\\_Decision\\_support\\_under\\_uncertainties\\_based\\_on\\_robust\\_Bayesian\\_networks\\_in\\_reverse\\_logistics\\_management](https://www.researchgate.net/publication/220171109_Decision_support_under_uncertainties_based_on_robust_Bayesian_networks_in_reverse_logistics_management)

#### **Design of reliable production route system**

**Karaulova, Tatjana; Pribytkova, Marina; Sahno, Jevgeni; Ševtšenko, Eduard** Annals of DAAAM for 2011 & proceedings of the 22nd International DAAAM Symposium "Intelligent Manufacturing & Automation : Power of Knowledge and Creativity" : 23-26 November 2011, Vienna, Austria 2011 / p. 539-540 : ill  
[https://www.researchgate.net/publication/283926103\\_Design\\_of\\_reliable\\_production\\_route\\_system](https://www.researchgate.net/publication/283926103_Design_of_reliable_production_route_system)

#### **Development of cyber-physical production systems based on modelling technologies**

**Mahmood, Kashif; Karaulova, Tatjana; Otto, Tauno; Ševtšenko, Eduard** Proceedings of the Estonian Academy of Sciences 2019 / p. 348-355 : ill [http://www.kirj.ee/32601/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32601/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.02> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Development of IDSS for collaborative network of production enterprises**

**Ševtšenko, Eduard; Karaulova, Tatjana; Küttner, Rein** 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 / p. 225-230 : ill

#### **Development of supply chain integration model through application of analytic network process and bayesian network**

**Maleki, Meysam; Ševtšenko, Eduard; Cruz-Machado, Virgilio** International journal of integrated supply management 2013 / p. 67-89  
<https://doi.org/10.1504/IJISM.2013.055068> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Digitalisation of Supply Chain management system for customer quality service improvement**

**Ševtšenko, Eduard; Maas, Rene; Murumaa, Lea; Karaulova, Tatjana; Raji, Oluwole Ibrahim; Popell, Janek** Journal of machine engineering 2022 / p. 78-90 : ill <https://doi.org/10.36897/jme/147803> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **DIGSM 4.0 curriculum lifecycle based on component organised learning method**

**Ševtšenko, Eduard; Maas, Rene; Karaulova, Tatjana; Truver, Anna; Dembovska Iveta** 14th International Scientific and Practical Conference on Environment, Technology and Resources 2023 : Rēzekne, Latvia, 15-18 June 2023 ; Volume 2 2023 / p. 203-208  
<https://doi.org/10.17770/etr2023vol2.7311> <https://conferences.rta.lv/index.php/ETR/ETR2023/paper/view/5670>

#### **Dissemination of engineering education at schools and its adjustment to needs of enterprises**

**Ševtšenko, Eduard; Karaulova, Tatjana; Igavens, Maris; Kuts, Vladimir** Annals of DAAAM for 2017 and proceedings of the 28th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 8-11 November 2017, Zadar, Croatia 2017 / p. 44-53 : ill  
<http://dx.doi.org/10.2507/28th.daaam.proceedings.006>

#### **Do we need capabilities in our management system?**

**Kangilaski, Taivo; Ševtšenko, Eduard** Journal of machine engineering 2017 / p. 88-100 : ill  
[http://www.not.pl/wydawnictwo/abstract\\_2017\\_en.html](http://www.not.pl/wydawnictwo/abstract_2017_en.html) [https://wydawnictwo.not.pl/2017JOM/V1/8\\_KANGILASKI.pdf](https://wydawnictwo.not.pl/2017JOM/V1/8_KANGILASKI.pdf) [Journal metrics at Scopus](#)  
[Article at Scopus](#)

#### **Dynamic management framework for continuous improvement of production processes = Tootmisprotsesside pideva**

parenduse dünaamiline juhtimisraamistik

Sahno, Jevgeni 2015 [https://www.ester.ee/record=b4484604\\*est](https://www.ester.ee/record=b4484604*est)

### Dynamics of partner network

Kangilaski, Taivo; Ševtšenko, Eduard Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istanbul, Turkey, 01-04 June, 2014 2014 / p. 105-110 : ill

### Elaboration of framework for green and cost efficient package development for electronic industry

Ševtšenko, Eduard; Karaulova, Tatjana; Pohlak, Meelis; Mahmood, Kashif International Conference on Innovative Technologies : IN-TECH 2016 : Prague : proceedings 2016 / p. 239-242 : ill [http://www.in-tech.info/download/INTECH\\_2016\\_proceedings.pdf](http://www.in-tech.info/download/INTECH_2016_proceedings.pdf)

### E-maintenance framework for the collaborative network of SME-s

Polyantchikov, Igor; Pribytkova, Marina; Ševtšenko, Eduard; Kangilaski, Taivo Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Interdisciplinary Solutions" : 20-23rd October 2010, Zadar, Croatia 2010 / p. 877-878: ill [https://www.researchgate.net/publication/274318907\\_E-maintenance\\_framework\\_for\\_the\\_collaborative\\_network\\_of\\_SME-s](https://www.researchgate.net/publication/274318907_E-maintenance_framework_for_the_collaborative_network_of_SME-s)

### Enhancing the partner selection process in a Sustainable Partner Network

Ševtšenko, Eduard; Mahmood, Kashif; Karaulova, Tatjana IFAC-PapersOnLine 2019 / p. 2425-2430 : ill <https://doi.org/10.1016/j.ifacol.2019.11.570> Conference proceedings at Scopus Article at Scopus Article at WOS

### Enterprise architecture management-based framework for integration of SME to collaborative network

Polyantchikov, Igor; Bangalore Srinivasa, Anoop; Veerana Naikod, Guruprakash; Tara, Tarvi; Kangilaski, Taivo; Ševtšenko, Eduard Collaborative Networks in the Internet of Services : 13th IFIP WG 5.5 Working Conference on Virtual Enterprises, PRO-VE 2012, Bournemouth, UK, October 1-3, 2012 : proceedings 2012 / p. 158-165 [https://link.springer.com/chapter/10.1007/978-3-642-32775-9\\_16](https://link.springer.com/chapter/10.1007/978-3-642-32775-9_16)

### Fractal approach for manufacturing project management

Karaulova, Tatjana; Poljantšikov, Igor; Ševtšenko, Eduard; Kramarenko, Sergei Mechanika 2014 / p. 352-359 : ill <https://doi.org/10.5755/j01.mech.20.3.6755> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Framework for continuous improvement of production processes

Sahno, Jevgeni; Ševtšenko, Eduard; Karaulova, Tatjana; Tahera, Khadija Inžinerine ekonomika = Engineering economics 2015 / p. 169-180 : ill <https://doi.org/10.5755/j01.ee.26.2.6969> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Framework for continuous improvement of production processes and product throughput

Sahno, Jevgeni; Ševtšenko, Eduard; Zahharov, Roman Procedia engineering 2015 / p. 511-519 : ill <https://doi.org/10.1016/j.proeng.2015.01.398> Conference proceedings at Scopus Article at Scopus Article at WOS

### IDSS as a tool for project management in a collaborative network of SME-s

Ševtšenko, Eduard; Karaulova, Tatjana; Kramarenko, Sergei; Wang, Y. Journal of machine engineering 2007 / 2, p. 96-104

### IDSS used as a framework for collaborative projects in conglomerate enterprises

Ševtšenko, Eduard; Karaulova, Tatjana; Kramarenko, Sergei; Wang, Y. Journal of achievements in materials and manufacturing engineering 2007 / 1, p. 89-92 : ill [https://www.researchgate.net/publication/40784153\\_IDSS\\_used\\_as\\_a\\_framework\\_for\\_collaborative\\_projects\\_in\\_conglomerate\\_enterprises](https://www.researchgate.net/publication/40784153_IDSS_used_as_a_framework_for_collaborative_projects_in_conglomerate_enterprises)

### Implementing interdisciplinarity in career guidance : guidebook for career counselors : Rezekne, Tallinn, Kaunas 2019

2019 [https://www.rta.lv/uploads/source/projects/citi%20projekti/2019/Handbook\\_%20EE.pdf](https://www.rta.lv/uploads/source/projects/citi%20projekti/2019/Handbook_%20EE.pdf)  
[https://www.researchgate.net/publication/336944607\\_Disaini\\_tehnoloogia\\_ja\\_majanduse\\_erialadevaheliste\\_pohimotete\\_rakendamise\\_karjaarino\\_ustamise\\_kasiraamat](https://www.researchgate.net/publication/336944607_Disaini_tehnoloogia_ja_majanduse_erialadevaheliste_pohimotete_rakendamise_karjaarino_ustamise_kasiraamat)  
[https://www.researchgate.net/publication/336944824\\_Karjeras\\_konsultantu\\_rokasgramata\\_dizaina\\_tehnologiju\\_un\\_ekonomikas\\_starpdisciplinarites\\_istenosanai](https://www.researchgate.net/publication/336944824_Karjeras_konsultantu_rokasgramata_dizaina_tehnologiju_un_ekonomikas_starpdisciplinarites_istenosanai) [https://www.ester.ee/record=b5188148\\*est](https://www.ester.ee/record=b5188148*est)

### Implementing interdisciplinarity in career guidance for secondary school students in forestry and wood, metal and machinery, agriculture and food sectors of industry

Ševtšenko, Eduard; Karaulova, Tatjana; Igavens, Maris; Kuts, Vladimir Holistinis mokymasis = Holistic learning 2017 / p. 53-61 <https://doi.org/10.7220/2351-7409.3.5>

### Industry 4.0 technologies as enablers of Lean and Agile Supply Chain Strategies : an exploratory investigation

Raji, Ibrahim; Ševtšenko, Eduard; Rossi, Tommaso; Strozzi, Fernanda The international journal of logistics management 2021 / p. 1150-1189 : ill <https://doi.org/10.1108/IJLM-04-2020-0157> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Innovative common study block framework for joined collaborative curriculums development

Ševtšenko, Eduard; Nõuakas, Kati; Murumaa, Lea; Kallas, Oliver; Karaulova, Tatjana Educating Engineers for Future Industrial

Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 30-41 [https://doi.org/10.1007/978-3-030-68198-2\\_3](https://doi.org/10.1007/978-3-030-68198-2_3) Conference Proceedings at Scopus Article at Scopus Article at WOS

**Innovative management and implementation of applied research project "Green Cost-Efficient Package Selection"**  
**Ševtšenko, Eduard; Karaulova, Tatjana; Pohlak, Meelis; Mahmood, Kashif; Tamm, Martin; Leht, Kaupo** Case study of innovative projects : successful real cases 2017 / p. 143-168 : ill <http://dx.doi.org/10.5772/67541>

**Innovative methods of engineering education popularization at schools**  
**Ševtšenko, Eduard; Karaulova, Tatjana;** Igavens, Maris; Strods, Gunars; **Mahmood, Kashif** Proceedings of the Estonian Academy of Sciences 2019 / p. 356-363 : ill [http://www.kirj.ee/32591/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32591/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/proc.2019.4.01> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Integrated CAD/ERP framework for modular construction industrialization through lean manufacturing concepts**  
Zahharov, Roman; Ševtšenko, Eduard; **Karaulova, Tatjana** 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. 591-592 : ill [https://www.researchgate.net/publication/274320146\\_Integrated\\_CADERP\\_framework\\_for\\_modular\\_construction\\_industrialization\\_through\\_lean\\_manufacturing\\_concepts](https://www.researchgate.net/publication/274320146_Integrated_CADERP_framework_for_modular_construction_industrialization_through_lean_manufacturing_concepts)

**Intelligent decision support system**  
**Ševtšenko, Eduard; Karaulova, Tatjana; Küttner, Rein** 50. Internationales Wissenschaftliches Kolloquium : 19.-23.09.2005 : Mechanical Engineering from Macro to Nano : [proceedings] 2005 / p. 549-550 : ill

**Intelligent decision support system as a tool for decision support in collaborative network of SME**  
**Ševtšenko, Eduard; Karaulova, Tatjana; Küttner, Rein** Conference program : IIE Annual Conference : May 20-24, 2006, Orlando, Florida 2006 / p. 132 [https://www.researchgate.net/publication/287052617\\_Intelligent\\_decision\\_support\\_system\\_as\\_a\\_tool\\_for\\_decision\\_support\\_in\\_collaborative\\_network\\_of\\_SME](https://www.researchgate.net/publication/287052617_Intelligent_decision_support_system_as_a_tool_for_decision_support_in_collaborative_network_of_SME)

**Intelligent decision support system for industrial enterprises : collaboration in the enterprise networks**  
**Ševtšenko, Eduard** 2010

**Intelligent decision support system for the network of collaborative SME-s = Intellektuaalne otsuste toetamise süsteem väikeste ja keskmiste ettevõtete koostöövõrgustikule**  
**Ševtšenko, Eduard** 2007 [https://www.ester.ee/record=b2350257\\*est](https://www.ester.ee/record=b2350257*est)

**Intelligent system for engineering and production planning for collaborative SME-s**  
**Ševtšenko, Eduard; Küttner, Rein** 7th International Conference on Computer Integrated Manufacturing : Intelligent Manufacturing Systems 2005 / p. 246-253 : ill

**Knowledge management for network of enterprises**  
**Karaulova, Tatjana; Kramarenko, Sergei; Ševtšenko, Eduard** Annals of DAAAM for 2006 & proceedings of the 17th International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Mechatronics and Robotics" : 8-11th November 2006, Vienna, Austria 2006 / p. 197-198

**Knowledge management framework for production route selection in manufacturing enterprises**  
**Sahno, Jevgeni; Öpik, Rain;** Kostina, Marina; **Paavel, Marko; Ševtšenko, Eduard;** Wang, Yan Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 567-572 : ill

**Knowledge management framework for six sigma performance level assessment**  
**Sahno, Jevgeni; Ševtšenko, Eduard; Karaulova, Tatjana** Advances in information systems and technologies 2013 / p. 255-267 [https://doi.org/10.1007/978-3-642-36981-0\\_25](https://doi.org/10.1007/978-3-642-36981-0_25) Conference Proceedings at Scopus Article at Scopus Article at WOS

**Koostöö raamistik ühiste õppemoodulite arendamiseks koostöös ettevõtjatega ning väliskõrgkoolidega [Võrguväljaanne]**  
Nõuakas, Kati; **Ševtšenko, Eduard;** Kallas, Oliver; Murumaa, Lea Tallinna Tehnikakõrgkooli Toimetised 2020 / Lk. 22-27 [https://issuu.com/tktk8/docs/tktkoppejoududetoimetised\\_26\\_2020\\_vol1](https://issuu.com/tktk8/docs/tktkoppejoududetoimetised_26_2020_vol1)

**Lean automation for low-volume manufacturing environment**  
**Karaulova, Tatjana;** Andronnikov, Konstantin; **Mahmood, Kashif; Ševtšenko, Eduard** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 0059-0068 : ill <https://doi.org/10.2507/30th.daaam.proceedings.008>

**Logbuild - CAD/CAM system for log houses**  
**Portjanski, Leonid; Nekrassov, Grigori;** Zahharov, Roman; **Ševtšenko, Eduard** Mechanika 2010 / 6, p. 58-65 : ill [https://www.researchgate.net/publication/229034917\\_Logbuild-CADCAM\\_system\\_for\\_log\\_houses](https://www.researchgate.net/publication/229034917_Logbuild-CADCAM_system_for_log_houses)

### **Manufacturing project management in the conglomerate enterprises supported by IDSS**

**Ševtšenko, Eduard; Karaulova, Tatjana; Kramarenko, Sergei; Wang, Y.** Journal of achievements in materials and manufacturing engineering 2009 / 1, p. 94-102 : ill  
[https://www.researchgate.net/publication/306430743\\_Manufacturing\\_project\\_management\\_in\\_the\\_conglomerate\\_enterprises\\_supported\\_by\\_IDS](https://www.researchgate.net/publication/306430743_Manufacturing_project_management_in_the_conglomerate_enterprises_supported_by_IDS)

### **Manufacturing projects cash-flow dynamics and risk management**

**Ševtšenko, Eduard; Karaulova, Tatjana; Kramarenko, Sergei; Wang, Y.** Journal of machine engineering 2009 / 1, p. 91-102  
<https://bibliotekanauki.pl/articles/971240>

### **Model based enterprise manufacturing capacity definition and product cost estimation for SME**

**Sahno, Jevgeni; Polyantchikov, Igor; Pribytkova, Marina; Ševtšenko, Eduard** Journal of machine engineering 2011 / p. 23-34  
[https://www.researchgate.net/publication/265241795\\_Model\\_based\\_enterprise\\_manufacturing\\_capacity\\_definition\\_and\\_product\\_cost\\_estimation\\_for\\_SME](https://www.researchgate.net/publication/265241795_Model_based_enterprise_manufacturing_capacity_definition_and_product_cost_estimation_for_SME)

### **Modelling the relationship of digital technologies with lean and agile strategies**

**Raji, Ibrahim; Ševtšenko, Eduard; Rossi, Tommaso; Strozzi, Fernanda** Supply Chain Forum: an International Journal 2021 / p. 323-346  
<https://doi.org/10.1080/16258312.2021.1925583> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **MRP systems research**

**Ševtšenko, Eduard** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 283-286 : ill

### **Multitier digital twin approach for agile supply chain management**

**Ševtšenko, Eduard; Mahmood, Kashif; Karaulova, Tatjana; Raji, Oluwale Ibrahim** ASME 2020 : International Mechanical Engineering Congress and Exposition, November 16-19, 2020 : Virtual, Online : proceedings 2020 / Paper No: IMECE2020-23760, 10 p  
<https://doi.org/10.1115/IMECE2020-23760>

### **Partner Network and its process management**

**Kangilaski, Taivo; Poljantšikov, Igor; Ševtšenko, Eduard** ICINCO 2013 : proceedings of the 10th International Conference on Informatics in Control, Automation and Robotics : Reykjavik, Iceland, 29-31 July, 2013. Vol. 2 2013 / p. 519-527

### **Partner selection criteria for virtual organization forming**

**Polyantchikov, Igor; Ševtšenko, Eduard** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 163-168 : ill

### **Partners selection tool for virtual enterprise in SMEs network = Partnerite valiku metoodika virtuaalettevõtetele VKE-de võrgustikus**

**Poljantšikov, Igor** 2016 [https://www.ester.ee/record=b4576966\\*est](https://www.ester.ee/record=b4576966*est)

### **Performance analysis of a flexible manufacturing system (FMS)**

**Mahmood, Kashif; Karaulova, Tatjana; Otto, Tauno; Ševtšenko, Eduard** Procedia CIRP 2017 / p. 424-429 : ill  
<https://doi.org/10.1016/j.procir.2017.03.123> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Performance evaluation by using overall equipment effectiveness (OEE) : an analyzing tool**

**Mahmood, Kashif; Otto, Tauno; Ševtšenko, Eduard; Karaulova, Tatjana** International Conference on Innovative Technologies : IN-TECH 2016 : Prague : proceedings 2016 / p. 185-188 : ill  
[http://www.in-tech.info/download/INTECH\\_2016\\_proceedings.pdf](http://www.in-tech.info/download/INTECH_2016_proceedings.pdf)

### **Physics based compressive sensing to enable digital twins of additive manufacturing processes**

**Lu, Yanglong; Ševtšenko, Eduard; Wang, Yan** Journal of computing and information science in engineering 2021 / 031009, 30 p  
<https://doi.org/10.1115/1.4050377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preparation and estimation methods for transformation Small enterprises to Medium-size**

**Sahno, Jevgeni; Polyantchikov, Igor; Pribytkova, Marina; Ševtšenko, Eduard** 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. 197-202 : ill

### **Productivity improvement by implementing lean production approach**

**Mahmood, Kashif; Ševtšenko, Eduard** Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 45-51 : ill

### **Quality improvement methodologies for continuous improvement of production processes and product quality and their evolution**

**Sahno, Jevgeni; Ševtšenko, Eduard** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 181-186 : ill

### **Ranking strategic objectives in a strategy map based on logarithmic fuzzy preference programming and similarity method**

Safari, Hossein; Khanmohammadi, Ehsan; Maleki, Meysam; Cruz-Machado, Virgilio; Ševtšenko, Eduard Management Systems in Production Engineering 2019 / p. 153-161 : ill <https://doi.org/10.1515/mspe-2019-0025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Reliability analysis module development for production route elaboration**

Pribytkova, Marina; Sahno, Jevgeni; Karaulova, Tatjana; Ševtšenko, Eduard; Maleki, Meysam; Cruz-Machado, V. Proceedings of the Ninth International Symposium on Tools and Methods of Competitive Engineering - TMCE 2012 : May 7-11, 2012, Karlsruhe, Germany 2012 / p. 1013-1026  
[https://www.researchgate.net/publication/282325033\\_Reliability\\_analysis\\_module\\_development\\_for\\_production\\_route\\_elaboration](https://www.researchgate.net/publication/282325033_Reliability_analysis_module_development_for_production_route_elaboration)

### **Reliability assessment of manufacturing processes**

Karaulova, Tatjana; Kostina, Marina; Ševtšenko, Eduard International journal of industrial engineering and management 2012 / p. 143-151 [https://www.researchgate.net/publication/289158975\\_Reliability\\_assessment\\_of\\_manufacturing\\_processes](https://www.researchgate.net/publication/289158975_Reliability_assessment_of_manufacturing_processes)

### **Reliability management approach for a virtual enterprise of SMEs in a manufacturing domain = Usaldusväärsuse juhtimise raamistik tootmisvaldkonna väikese ja keskmise suurusega virtuaalettevõtetele**

Mahmood, Kashif 2019 <https://digi.lib.ttu.ee/i/?11235>

### **Reorganisation of production system on SME enterprises**

Karaulova, Tatjana; Ševtšenko, Eduard; Polyantchikov, Igor; Sahno, Jevgeni 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. 869-870 : ill

### **Risk assessment approach for a virtual enterprise of small and medium-sized enterprises**

Mahmood, Kashif; Ševtšenko, Eduard; Karaulova, Tatjana; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2018 / p. 17-27 : ill <https://doi.org/10.3176/proc.2017.4.27> [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](#)

### **Risk assessment method for partner network of SMEs**

Mahmood, Kashif; Ševtšenko, Eduard 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 184-188 : ill [http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Risk factors in project management life cycle**

Karaulova, Tatjana; Kramarenko, Sergei; Ševtšenko, Eduard Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 327-332 : ill  
[https://www.researchgate.net/publication/325194647\\_RISK\\_FACTORS\\_IN\\_PROJECT\\_MANAGEMENT\\_LIFE\\_CYCLE](https://www.researchgate.net/publication/325194647_RISK_FACTORS_IN_PROJECT_MANAGEMENT_LIFE_CYCLE)

### **SMEs collaborative networks concept of its establishment**

Poljantšikov, Igor; Ševtšenko, Eduard 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 241-247 : ill

### **Supply chain digitalization framework for service/product satisfaction**

Murumaa, Lea; Ševtšenko, Eduard; Karaulova, Tatjana; Mahmood, Kashif; Popell, Janek IOP conference series : materials science and engineering 2021 / art. 012041, p. 1-12 <https://doi.org/10.1088/1757-899x/1140/1/012041>

### **Sustainable design of material handling equipment : a win-win approach for manufacturers and customers**

Ševtšenko, Eduard; Bashkite, V.; Maleki, Meysam; Wang, Yan Mechanika 2012 / p. 561-568 : ill  
<https://mechanika.ktu.lt/index.php/Mech/article/view/2703>

### **Tarneahela digitaliseerimine kui juhi töövahend**

Ševtšenko, Eduard Director. Inseneeria 2020 / lk. 74-77 : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)  
<https://director.ee/2020/10/28/tarneahela-digitaliseerimine-kui-juhi-toovahend/>

### **Troubleshooting process analysis and development of application for decision making enhancement**

Mahmood, Kashif; Ševtšenko, Eduard; Karaulova, Tatjana; Branten, Eva; Maleki, Meysam 26th DAAAM International Symposium on Intelligent Manufacturing and Automation 2015 (DAAAM 2015) : Zadar, Croatia, 21-24 October 2015. Volume 1 2016 / p. 0663-0671 : ill <http://dx.doi.org/10.2507/26th.daaam.proceedings.090>

### **Using of multi-agents in an intelligent decision support system for collaborative SME-s**

Ševtšenko, Eduard; Küttner, Rein; Karaulova, Tatjana NordPLM'06 : proceedings of the 1st Nordic Conference on Product Lifecycle Management : January 25-26 2006, Göteborg 2006 / p. 123-134 : ill  
[https://www.researchgate.net/publication/274316907\\_Using\\_of\\_Multi-Agents\\_in\\_Intelligent\\_Decision\\_Support\\_System\\_for\\_Collaborative\\_SME-s](https://www.researchgate.net/publication/274316907_Using_of_Multi-Agents_in_Intelligent_Decision_Support_System_for_Collaborative_SME-s)

### **Web-environment elaboration for working with ISO 9001 documents at a production enterprise**

**Polyantchikov, Igor; Karaulova, Tatjana; Ševtšenko, Eduard; Kangilaski, Taivo; Netribiitšuk, Vitali** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 304-311 : ill

**Virtual enterprise formation in the context of a sustainable partner network**

**Poliantšikov, Igor; Ševtšenko, Eduard; Karaulova, Tatjana; Kangilaski, Taivo;** Camarinha-Matos, Luis M. Industrial management & data systems 2017 / p.1446-1468 : ill <https://doi.org/10.1108/IMDS-07-2016-0274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Work-cells concept development for high mix low volume market conditions**

**Karaulova, Tatjana; Ševtšenko, Eduard** Procedia engineering 2015 / p. 90-99 : ill <https://doi.org/10.1016/j.proeng.2015.01.346> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)