

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

Asset management software implementation challenges for electricity companies

Kangilaski, Taivo Proceedings : IECON 2009 : 35th Annual Conference of the IEEE Industrial Electronics Society : Porto, Portugal, 3-5 November, 2009 2009 / p. 3611-3616

Best practices to build up a database as a major component of enterprise middleware

Kangilaski, Taivo Proceedings : CSCS-14, 14th International Conference on Control Systems and Computer Science, July 2-5, 2003, Politehnica University of Bucharest. 2 2003 / p. 317-322

Business and it alignment in enterprise considering the partner network's constraints

Vaezipour, Atiyeh; **Kangilaski, Taivo** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 213-218 : ill

Business process development for industrial cluster

Kangilaski, Taivo ICINCO 2012 - proceedings of the 9th International Conference on Informatics in Control, Automation and Robotics : Rome, Italy, 28-31 July, 2012. Vol. 2 2012 / p. 535-538 <https://www.scitepress.org/Papers/2012/40047/40047.pdf>

Case study : integration approaches for information management in virtual organization

Kangilaski, Taivo 12th IFAC Symposium on Information Control Problems in Manufacturing : INCOM 2006 : Control and Interoperability : Saint-Etienne, France, May 17-19, 2006 : preprints. 2 2006 / p. 691-696
<https://www.sciencedirect.com/science/article/pii/S1474667015360717>

Case study : utilities and asset management - time for a change

Kangilaski, Taivo 5th IEEE International Conference on Industrial Informatics : July 23-26, 2007, Vienna, Austria : conference proceedings. Volume 1 2007 / p. 579-584 <https://ieeexplore.ieee.org/document/4384822>

Challenges for SMEs entering into the virtual organization partner network

Kangilaski, Taivo Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [III] 2010 / p. 352-357 : 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://link.springer.com/content/pdf/bfm%3A978-3-030-00612-9%2F1.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Communication as a crucial element for enterprise architecture management in virtual organization

Kangilaski, Taivo Enterprise Architecture, Integration and Interoperability : IFIP TC 5 International Conference, EAI2N 2010 held as part of WCC 2010 : Brisbane, Australia, September 20-23, 2010 : proceedings 2010 / p. 66-77 : ill

Correction of the short-term forecast of high-voltage power consumption

Kangilaski, Taivo; Jaanimägi, Vladimir Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 1, p. 53-62 : ill

Cross-border communication and service provision within Silver Economy Domain : How to sustain a collaborative platform for seniors services

Kangilaski, Taivo; **Pappel, Ingrid**; Sihvonen, Markus; Weck, Marina Human factors, business management and society : proceedings of the 13th AHFE International Conference on Human Factors, Business Management and Society, New York, USA, July 24-28, 2022 2022 / p. 244-252 <https://doi.org/10.54941/ahfe1002275>

Data Mart framework for production route selection

Sahno, Jevgeni; **Savimaa, Raul**; **Kangilaski, Taivo**; **Õpik, Raul**; Maleki, Meysam; Machado, V.-C. 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. 1543-1544 : ill
https://www.daaam.info/Downloads/Pdfs/proceedings/proceedings_2011/756.pdf

Designing a digital collaborative platform for the silver economy: inception and conceptualization

Butt, Sidra Azmat; **Rava, Karin**; **Kangilaski, Taivo**; **Pappel, Ingrid**; **Draheim, Dirk** 2021 Eighth International Conference on eDemocracy and eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 47-54 : ill

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 https://wydawnictwo.not.pl/2017JOM/V1/8_KANGILASKI.pdf [Journal metrics at Scopus](#)
[Article at Scopus](#)

Documenting and analysing business-and operational risks

Kangilaski, Taivo; Kaugerand, Jaanus 2024 Tenth International Conference on eDemocracy & eGovernment (ICEDEG) 2024

<https://doi.org/10.1109/ICEDEG61611.2024.10702076> [Article at Scopus](#)

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

Eesti Energia käiduhaldussüsteem

Kangilaski, Taivo 2004 https://www.ester.ee/record=b1953730*est

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

Enterprise architecture management in virtual organization

Kangilaski, Taivo IEEE-ICIT 2010 International Conference on Industrial Technology : Viña del Mar, Chile, 14-17 March, 2010 2010 / p. 1032-1037 : ill <https://ieeexplore.ieee.org/document/5472555>

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

Fault prediction in power network

Kangilaski, Taivo The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 289-292

Feed-forward neural networks for smooth operation of the high-voltage power transmission network

Kangilaski, Taivo Proceedings of the Estonian Academy of Sciences. Engineering 2002 / 4, 223-247 : ill

A framework for time-aware change management in virtual enterprises

Savimaa, Raul; Kangilaski, Taivo; Polyantchikov, Igor 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. 1545-1546 : ill <https://scholar.google.com/citations?user=zqWBlwgAAAAJ&hl=en>

ICT and business alignment in Partner Network : will the alignment depend on maturities?

Kangilaski, Taivo Proceedings of 7th IFAC Conference on Manufacturing Modelling, Management, and Control, 2013 2013 / p. 573-578 <https://doi.org/10.3182/20130619-3-RU-3018.00047> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

ICT and business alignment in virtual organization

Kangilaski, Taivo 6th IEEE International Conference on Industrial Informatics (INDIN) : July 13-16, 2008 Daejeon, Korea 2008 / p. 1251-1256 <https://ieeexplore.ieee.org/document/4618295>

Implementation of networked enterprises reference model - lessons learned

Kangilaski, Taivo Information control problems in manufacturing. Volume 14, Part 1 2012 / p. 1240-1245
<https://www.sciencedirect.com/science/article/pii/S1474667016333213>

Implementing EU directive 2003/54/EC for electricity market in Estonia

Kangilaski, Taivo Proceedings of the IADIS International Conference Information Systems 2008 : Algarve, Portugal, April 9-11, 2008 2008 / p. 246-250

Interoperability issues in virtual organization - how to proceed?

Kangilaski, Taivo 12th IEEE Conference on Emerging Technologies and Factory Automation : ETFA 2007 : Patras (Greece), 25-28 September 2007 2007 / p. 1293-1299 <https://ieeexplore.ieee.org/document/4416930>

IT strategy for virtual organizations in electricity market

Kangilaski, Taivo Recent advances in Control Systems, Robotics and Automation 2006 / p. 87-92

IT strategy for virtual organizations in electricity market

Kangilaski, Taivo International journal of factory automation, robotics and soft computing 2006 / Aprill, p. 50-55

The Kalman filter for numerical processing of radar data

Kangilaski, Taivo BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 123-126: ill

Lessons learned from a multi-national project on developing a platform for the silver economy

Butt, Sidra Azmat; Kangilaski, Taivo; Draheim, Dirk CENTERIS – International Conference on ENTERprise Information Systems / ProjMAN - International Conference on Project MANagement / HCist - International Conference on Health and Social Care Information Systems and Technologies 2023 2024 / p. 1006 - 1014 <https://doi.org/10.1016/j.procs.2024.06.264> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Maintenance work coordination in electricity distribution

Kangilaski, Taivo 12th IFAC Symposium on Information Control Problems in Manufacturing : INCOM 2006 : Industrial Engineering : Saint-Etienne, France, May 17-19, 2006 : preprints. 2 2006 / p. 33-38

Mapping the information flows for the architecture of a nationwide situation awareness system : (Poster)

Bahsi, Hayretidin; Dieves, Veiko; Kangilaski, Taivo; Laud, Peeter; Mõtus, Leo; Murumets, Jaan; Ploom, Ilmar; Priisalu, Jaan; Seeba, Mari; Täks, Ermo; Tammel, Kaide; Tamppuu, Piia; Taveter, Kuldar; Trumm, Avo; Truusa, Tiia-Triin; Vihaelemm, Triin Proceedings 2019 IEEE International Conference on Cognitive and Computational Aspects of Situation Management (CogSIMA) : Las Vegas, NV, USA, 8-11 April 2019 2019 / p. 152–157 <https://doi.org/10.1109/COGSIMA.2019.8724167>

Maturity models as tools for or focal player forming virtual organizations

Kangilaski, Taivo Advanced materials research. Management, manufacturing and materials engineering 2012 / p. 829-832 <https://www.scientific.net/AMR.452-453.829>

Occupational health and safety risk management with help of ARIS software: Case Study

Kangilaski, Taivo; Kaugerand, Jaanus Safety Management and Human Factors : Proceedings of 15th International Conference on Applied Human Factors and Ergonomics and the Affiliated Conferences, Nice, France, 24-27 July 2024 2024 / p. 99–108 : ill <https://doi.org/10.54941/ahfe1005306>

On technical management of large power transmission networks

Kangilaski, Taivo Proceedings of the Estonian Academy of Sciences. Engineering 2002 / 1, p. 18-37 : ill

Overcoming challenges in the silver economy by connecting services in the Silver Hub : the tool to provide the basis for the innovative solutions

Kangilaski, Taivo; Butt, Sidra Azmat; Pappel, Ingrid; Kangilaski, Erik Proceedings of the 14th International Conference on Theory and Practice of Electronic Governance (ICEGOV 2021), 6 - 8 October 2021, Athens, Greece 2021 / p. 231-237 : ill <https://doi.org/10.1145/3494193.3494225> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Planning virtual organization in partner network

Kangilaski, Taivo 2014 IEEE International Conference on Industrial Technology (ICIT) : February 26-March 1, 2014, Busan, Korea 2014 / p. 664-669 <https://doi.org/10.1109/ICIT.2014.6894910> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Power network management in software

Kangilaski, Taivo 9th IEEE Conference on Emerging Technologies and Factory Automation (ETFA'2003) : Calouste Gulbenkian Foundation, Lisbon, Portugal, 16-19 September 2003. 2 2003 / p. 588-595 <https://ieeexplore.ieee.org/document/1248752>

Short-time projection of electric power consumption

Kangilaski, Taivo Proceedings of the 13th International Conference on Control Systems and Computer Science : Bucharest, 2001 2001 / p. 274-279

Software implementation - challenge for organization and employees

Kangilaski, Taivo Proceedings of the IADIS International Conference Informatics 2009 : Portugal, Algarve, 17-23 June, 2009 2009 / p. 141-145

Some issues in modelling comprehensive situation awareness

Mõtus, Leo; Teichmann, Mare; Kangilaski, Taivo; Priisalu, Jaan; Kaugerand, Jaanus 2019 IEEE International Conference on

Systems, Man and Cybernetics (SMC) 2019 / p. 540–545 : ill <http://doi.org/10.1109/SMC.2019.8914360>

Suurte süsteemide kirjeldamiseks vajalikud valdkonnad

Kangilaski, Taivo A & A 2001 / 1, lk. 22-30 https://artiklid.elnet.ee/record=b1006241*est

Trasseerimine jälgimis- ja juhtimissüsteemides

Kangilaski, Taivo A & A 1998 / 6, lk. 22-28: ill

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](#)

Virtual organisation for power network management

Kangilaski, Taivo 2004 2nd IEEE International Conference on Industrial Informatics : Collaborative Automation - One key for intelligent industrial environments : 24th-26th June, 2004, Berlin, Germany 2004 / p. 169-174 : ill <https://ieeexplore.ieee.org/document/1417324>

Virtual organization and supply chain management

Kangilaski, Taivo 10th IEEE International Conference on Emerging Technologies and Factory Automation. 1 2005 / p. 705-712 https://www.researchgate.net/publication/4232313_Virtual_organization_and_supply_chain_management