

### **A MPPT control method for full soft-switching high step-up current-fed DC-DC converter**

**Kosenko, Roman; Roasto, Indrek** 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 199-203 : ill <https://ieeexplore.ieee.org/document/7343153>

### **Analysis and design of asymmetric quad-active-bridge converter**

**Chub, Andrii; Costa, Levy; Liserre, Marco** IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society : proceedings : China National Convention Center, Beijing, China, 29. October - 01. November, 2017 2017 / p. 5367-5372 : ill <https://doi.org/10.1109/IECON.2017.8216930>

### **Analysis of heating energy of ventilation and underground heat exchanger in North European passive houses**

**Voll, Hendrik; Seinre, Erkki; Sööt, Mati** International journal of energy and environment 2012 / p. 92-100 : ill [https://www.academia.edu/100156656/Analysis\\_of\\_Heating\\_Energy\\_of\\_Ventilation\\_and\\_Underground\\_Heat\\_Exchanger\\_in\\_North\\_European\\_Passive\\_Houses](https://www.academia.edu/100156656/Analysis_of_Heating_Energy_of_Ventilation_and_Underground_Heat_Exchanger_in_North_European_Passive_Houses)

### **Analysis of heating energy of ventilation systems in non-residential passive houses in Estonia**

**Voll, Hendrik; Raide, Indrek** Recent Researches in Urban Sustainability and Green Development : proceedings of the 2nd International Conference on Urban Sustainability, Cultural Sustainability, Green Development, Green Structures and Clean Cars (USCUDAR'11) : Prague, Czech Republic, September 26-28, 2011 2011 / p. 95-100 : ill

### **Analysis of microgrid configuration effects on energy efficiency**

**Peterson, Kristjan; Ahmadihangar, Roya; Shabbir, Noman; Vinnal, Toomas** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill <https://doi.org/>

### **Analysis of passive architectural roof cooling potential to decrease the cooling demand for Northern European Office buildings based on energy modelling and laboratory tests**

**Voll, Hendrik; Seinre, Erkki; Sööt, Peet-Mati** WSEAS transactions on environment and development 2011 / p. 136-145 : ill <http://www.wseas.us/e-library/transactions/environment/2011/53-080.pdf>

### **Analytical modelling and prediction formulas for domestic hot water consumption in residential Finnish apartments**

**Ferrantelli, Andrea; Ahmed, Kaiser; Pylsy, Petri; Kurnitski, Jarek** Energy and buildings 2017 / p. 53-60 : ill <https://doi.org/10.1016/j.enbuild.2017.03.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Assessment of energy efficient LED ballasts based on their weight and size**

**Milaševski, Irena; Tetervenok, Oleg; Galkin, Ilja** Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2011 / p. 105-112 : ill <https://ui.adsabs.harvard.edu/abs/2011SJRP...29..105M/abstract>

### **Audit for Building Automation and Control System (BACS) – preparation works for retrofitting nonresidential buildings**

**Uutar, Aivar** Proceedings of Healthy Buildings 2012 : Brisbane, Australia 8-12 July 2012 2012 / [6] p. : ill

### **Benchmarking the measured energy use of Nordic residential buildings and their Zero Energy-readiness**

**Ferrantelli, Andrea; Thalfeldt, Martin; Kurnitski, Jarek** CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.171>

### **Building cluster optimization to integrate energy performance and outdoor thermal comfort**

**De Luca, Francesco; Naboni, Emanuele; Lobaccaro, Gabriele; Sepulveda Luque, Abel** 2020 Proceedings of the Symposium on Simulation for Architecture and Urban Design 2020 / p. 345-348 : ill [https://www.simaud.org/proceedings/download.php?f=SimAUD2020\\_Proceedings\\_HiRes.pdf](https://www.simaud.org/proceedings/download.php?f=SimAUD2020_Proceedings_HiRes.pdf)

### **Building sustainability objective assessment in Estonian context and a comparative evaluation with LEED and BREEAM**

**Seinre, Erkki; Kurnitski, Jarek; Voll, Hendrik** Building and environment 2014 / p. 110-120 : ill <https://doi.org/10.1016/j.buildenv.2014.08.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Buildings' energy efficiency measures effect on CO2 emissions in combined heating, cooling and electricity production**

**Pylsy, Petri; Lylykangas, Kimmo Sakari; Kurnitski, Jarek** Renewable and sustainable energy reviews 2020 / art. 110299, 18 p : ill <https://doi.org/10.1016/j.rser.2020.110299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cascade sub-low temperature district heating networks in existing district heating systems**

**Volkova, Anna; Reuter, Stefan; Puschnigg, Stefan** Smart Energy 2022 / art. 100064 <https://doi.org/10.1016/j.segy.2022.100064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Cleaner pellet production – an energy consumption study using statistical analysis**

**Vigants, Haralds; Uuemaa, Priit; Veidenbergs, I; Blumberga, Dagnija** Agronomy research 2014 / p. 633-644 : ill <https://www.cabidigitallibrary.org/doi/pdf/10.5555/20143202498> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Comparative analysis of semiconductor power losses of galvanically isolated quasi-Z-source and full-bridge boost DC-**

## **DC converters**

**Kosenko, Roman; Liivik, Liisa; Chub, Andrii;** Velihorskyi, Oleksandr Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2015 / p. 5-12 : ill <https://doi.org/10.1515/ecce-2015-0001>

## **Comparative analysis of wind generator energy efficiency based on machine design**

**Kallaste, Ants; Vaimann, Toomas; Kilk, Aleksander; Belahcen, Anouar** 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 9-12 : ill

## **Comparative simulation study of pump system efficiency driven by induction and synchronous reluctance motors**

Gevorkov, Levon; Dominguez-Garcia, Jose Luis; **Rassõlkin, Anton; Vaimann, Toomas** Energies 2022 / art. 4068

<https://doi.org/10.3390/en15114068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Comparison of energy modelling and laboratory tests on green roof potential to decrease the cooling demand for North European office buildings**

**Voll, Hendrik; Kõiv, Teet-Andrus** Recent Researches in Automatic Control : 13th WSEAS International Conference on Automatic Control, Modelling & Simulation (ACMOS'11), Lanzarote, Canary Islands, May 27-29, 2011 2011 / p. 125-130 : ill

## **Competitiveness of wood fuel in the conditions of open electricity market in Post-Kyoto period : case study for Estonia**

**Volkova, Anna; Roos, Inge; Soosaar, Sulev; Siirde, Andres** Proceedings of 3rd International Conference on Clean Electrical Power, Renewable Energy Resources Impact, Ischia, Italy, 14th-16th June, 2011 2011 / p. 660-667 : ill

## **Cooling thermal comfort and efficiency parameters of ceiling panels, underfloor cooling, fan-assisted radiators, and fan coil**

**Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek** Energies 2022 / art. 4156 <https://doi.org/10.3390/en15114156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Cost optimal energy performance**

**Kurnitski, Jarek** Cost optimal and nearly zero-energy buildings (nZEB) : definitions, calculation principles and case studies 2013 / p. 47-56 : ill [https://doi.org/10.1007/978-1-4471-5610-9\\_4](https://doi.org/10.1007/978-1-4471-5610-9_4) [Article collection metrics at Scopus](#) [Article at Scopus](#)

## **Cost savings and CO2 emissions reduction potential in the German district heating system with demand response**

**Ju, Yuchen;** Lindholm, Joakim; Verbeck, Moritz; **Jokisalo, Juha; Kosonen, Risto;** Janßen, Philipp; Li, Yantong; Schäfers, Hans; Nord, Natasa Science and Technology for the Built Environment 2022 / p. 255 - 274 <https://doi.org/10.1080/23744731.2021.2018875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Critical discussion on the challenges of integrating heat pumps in hydronic systems in existing buildings**

Cholewa, Tomasz; Bejan, Andrei-Stelian; Miara, Marek; Schauer, Christian; Kosonen, Risto; Borodinecs, Anatolijs; **Bogdanovičs, Raimonds;** Amanowicz, Łukasz; Vering, Christian; Siuta-Olcha, Alicja; **Kurnitski, Jarek** Energy 2025 / art. 136158 <https://doi.org/10.1016/j.energy.2025.136158>

## **DAAG-SNP: energy efficient distance and angulation based agglomerative clustering for sink node placement**

Hanif, Maria; Ahmad, Rizwan; Ahmed, Waqas; Drieberg, Micheal; **Alam, Muhammad Mahtab** IEEE Open Journal of the Communications Society 2024 / p. 5013-5026 <https://doi.org/10.1109/OJCOMS.2024.3421901>

## **Data analysis of building sensors for efficient energy management and future trends in the EU**

**Crasta, Cletus J.; Agabus, Hannes** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p. : ill <https://doi.org/10.1109/PQ.2019.8818242>

## **Data-driven occupancy profile identification and application to the ventilation schedule in a school building**

**Vassiljeva, Kristina; Matson, Margarita; Ferrantelli, Andrea; Petlenkov, Eduard; Thalfeldt, Martin; Belikov, Juri** Energies 2024 / art. 3080 <https://doi.org/10.3390/en17133080>

## **Data-Driven Propulsion Load Optimization : Reducing Fuel Consumption and Greenhouse Gas Emissions in Double-Ended Ferries**

**Laasma, Andres; Aiken, Deniece Melissa; Kasepõld, Kadi; Hilmola, Olli-Pekka; Tapaninen, Ulla Pirita** Journal of Marine Science and Engineering 2025 / art. 688 <https://doi.org/10.3390/jmse13040688> <https://www.mdpi.com/2077-1312/13/4/688>

## **Decreasing shipping's greenhouse gas emissions**

**Tapaninen, Ulla Pirita** 2023 <https://doi.org/10.4135/9781529616804>

## **Defect analysis of renovated facade walls with etics solutions in cold climate conditions**

**Liisma, Eneli; Sepri, Raili; Raado, Lembi-Merike; Lill, Irene; Witt, Emlyn David Qivitoq; Sulakatko, Virgo; Põldaru, Mattias** CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [book of abstracts] 2016 / p. 65-66

**Defect analysis of renovated facade walls with etics solutions in cold climate conditions [Online resource]**

**Liisma, Eneli; Sepri, Raili; Raado, Lembi-Merike; Lill, Irene; Witt, Emllyn David Qivitoq; Sulakatko, Virgo; Põldaru, Mattias** CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [electronic proceedings] 2016 / p. 174-181 : ill

**Degradation of antibiotic vancomycin by UV photolysis and pulsed corona discharge combined with extrinsic oxidants**

**Nikitin, Dmitri; Kaur, Balpreet; Preis, Sergei; Dulova, Niina** Catalysts 2023 / art. 466, 16 p. : ill <https://doi.org/10.3390/catal13030466>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Degradation of anti-inflammatory drug dexamethasone by pulsed corona discharge : The effect of peroxycompounds addition**

**Onga, Liina; Kattel-Salusoo, Eneliis; Preis, Sergei; Dulova, Niina** Journal of environmental chemical engineering 2022 / art. 108042 <https://doi.org/10.1016/j.jece.2022.108042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Detailed and simplified window model and opening effects on optimal window size and heating need**

**Thalfeldt, Martin; Kurnitski, Jarek; Voll, Hendrik** Energy and buildings 2016 / p. 242-251 : ill  
<https://doi.org/10.1016/j.enbuild.2016.06.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Do we need human capital heterogeneity for energy efficiency and innovativeness? Insights from European catching-up territories**

**Prokop, Viktor; Gerstlberger, Wolfgang Dieter; Zapletal, David; Gyamfi, Solomon** Energy policy 2023 / art. 113565, 16 p  
<https://doi.org/10.1016/j.enpol.2023.113565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Dynamic motion energy efficiency measurement of ground vehicles**

**Väljaots, Eero; Sell, Raivo** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 367-372 : ill

**Economic viability of energy-efficiency measures in educational buildings in Finland**

**Alanne, Kari; Schade, Jutta; Martinac, Ivo; Saari, Arto; Jokisalo, Juha; Kalamees, Targo** Advances in building energy research 2013 / p. 120-127 <https://doi.org/10.1080/17512549.2013.809272> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Energy analysis in ice hockey arenas and analytical formula for the temperature profile in the ice pad with transient boundary conditions**

**Ferrantelli, Andrea; Viljanen, Klaus; Kurnitski, Jarek** Advances in building energy research 2021 / p. 499-522 : ill  
<https://doi.org/10.1080/17512549.2019.1615549> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Energy efficiency and indoor climate of apartment buildings in Estonia**

**Kõiv, Teet-Andrus; Mikola, Alo; Kuusk, Kalle** International journal of energy science 2012 / p. 94-99 : ill

**Energy efficiency and latency optimization for IoT URLLC and mMTC use cases**

**Elgarhy, Osama Mohamed Mostafa; Reggiani, Luca; Alam, Muhammad Mahtab; Zoha, Ahmed; Ahmad, Rizwan; Kuusik, Alar** IEEE Access / p. 23132-23148 <https://doi.org/10.1109/ACCESS.2024.3364349>

**Energy efficiency evaluation of linear transmitters for 5G NR wireless waveforms**

**Biyabani, Sara R.; Khan, Rida; Alam, Muhammad Mahtab; Biyabani, A. Ahmed; McCune, Earl** IEEE transactions on green communications and networking 2019 / p. 446 - 454 : ill <https://doi.org/10.1109/TGCN.2019.2902179> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy efficiency profiles for unmanned ground vehicles**

**Väljaots, Eero; Sell, Raivo** Proceedings of the Estonian Academy of Sciences 2019 / p. 55–65 : ill  
<https://doi.org/10.3176/proc.2019.1.04> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_1/proc-2019-1-55-65.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-55-65.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy performance certificate classes rating methods tested with data : how does the application of minimum energy performance standards to worst-performing buildings affect renovation rates, costs, emissions, energy consumption?**

**Ferrantelli, Andrea; Kurnitski, Jarek** Energies 2022 / art. 7552 <https://doi.org/10.3390/en15207552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy performance of ETICS integrated with a flexible photovoltaic panel**

**Heim, Dariusz; Wieprzowicz, Anna; Knera, Dominika; Ilomets, Simo; Kalamees, Targo; Spitalsky, Zdeno** Building simulation conference proceedings 2022 / p. 64-71 <https://doi.org/10.26868/25222708.2021.30194>

**Energy security assessment of emerging economies under global and local challenges**

**Sotnyk, Iryna; Kurbatova, Tetiana; Kubatko, Oleksandr; Prokopenko, Olha; Prause, Gunnar Klaus; Kovalenko, Yevhen; Trypolska, Galyna; Pysmenna, Uliana** Energies 2021 / art. 5860, 20 p. : ill <https://doi.org/10.3390/en14185860>

### **Energy-efficient autonomous systems - capacity building cross-border educational initiative**

Kunicina, Nadezda; Plonis, Darius; Bruzgiene, Rasa; **Rassõlkin, Anton** 2025 IEEE 12th Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE) 2025 / 5 p <https://doi.org/10.1109/AIEEE66149.2025.11050877>

### **Energy-efficient distributed leader selection algorithm for energy-constrained wireless sensor networks**

**Ulp, Sander; Le Moullec, Yannick; Alam, Muhammad Mahtab** IEEE Access 2019 / p. 4410-4421 : ill  
<https://doi.org/10.1109/ACCESS.2018.2888551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy-efficient operation of linear Delta robots with an artificial intelligence model**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard; Semjonova, Natalia** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 5 p <https://doi.org/10.1109/BEC61458.2024.10737977> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Energy-efficient predictive control of centrifugal multi-pump stations**

**Vodovozov, Valery; Lehtla, Tõnu; Bakman, Ilja; Raud, Zoja; Gevorkov, Levon** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 233-238 : ill <https://doi.org/10.1109/PQ.2016.7724119>

### **European roadmap for the En-ActivETICS advancement and potential of the PV/PCM unventilated wall system application**

Heim, Dariusz; **Talvik, Martin**; Wieprzkowicz, Anna; **Ilomets, Simo**; Knera, Dominika; **Kalamees, Targo**; Czarny, Dariusz Energy and buildings 2023 / art. 113207 <https://doi.org/10.1016/j.enbuild.2023.113207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluating the energy readiness of national building stocks through benchmarking**

**Ferrantelli, Andrea; Belikov, Juri; Petlenkov, Eduard; Thalfeldt, Martin; Kurnitski, Jarek** IEEE Access 2022 / p. 45430-45443 : ill <https://doi.org/10.1109/ACCESS.2022.3170716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluation and comparison of various calculation zone analysis for dynamic simulation software's**

**Voll, Hendrik; Seinre, Erkki** International Journal of Mathematics and Computers in Simulation 2011 / p. 190-197 : ill

### **Evaluation of dynamic simulation software's to meet the minimum requirements of energy efficiency in Estonia**

**Voll, Hendrik; Seinre, Erkki; Tark, Teet** Application of Mathematics and Computer Engineering : American Conference on Applied Mathematics (AMERICAN-MATH '11) : 5th WSEAS International Conference on Computer Engineering and Application (CEA'11), Puerto Morelos, Mexico, January 29-31, 2011 2011 / p. 129-134 : ill  
[https://www.academia.edu/79515755/Evaluation\\_of\\_dynamic\\_simulation\\_softwares\\_to\\_meet\\_the\\_minimum\\_requirements\\_of\\_energy\\_efficiency\\_in\\_Estonia](https://www.academia.edu/79515755/Evaluation_of_dynamic_simulation_softwares_to_meet_the_minimum_requirements_of_energy_efficiency_in_Estonia)

### **Evaluation of low- and high-voltage GaN transistors in soft-switching DC-DC converter**

**Blinov, Andrei; Kosenko, Roman; Chub, Andrii** 2017 IEEE First Ukraine Conference on Electrical and Computer Engineering (UKRCON) : May 29 - June 2, 2017, Kyiv, Ukraine : conference proceedings 2017 / p. 544-547 : ill  
<https://doi.org/10.1109/UKRCON.2017.8100299>

### **Experiences from design process of renovation of existing apartment building to nZEB**

**Kuusk, Kalle; Kalamees, Targo; Pihelo, Peep** CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 1 2016 / [10] p. : ill [http://vbn.aau.dk/files/233707163/paper\\_591.pdf](http://vbn.aau.dk/files/233707163/paper_591.pdf)

### **External shading optimal control macros for 1- and 2-piece automated blinds in European climates**

**Thalfeldt, Martin; Kurnitski, Jarek** Building simulation 2015 / p. 13-25 : ill <https://doi.org/10.1007/s12273-014-0194-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Financial viability of energy-efficiency measures in a new detached house design in Finland**

Saari, Arto; **Kalamees, Targo**; Jokisalo, Juha; Michelsson, Rasmus; Alanne, Kari; **Kurnitski, Jarek** Applied energy 2012 / p. 76-83  
<https://www.sciencedirect.com/science/article/pii/S0306261911006830>

### **Fuel cell city buses : grey shadows of green energy**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l.  
<https://doi.org/10.1109/BEC56180.2022.9935604>

### **G-GPU : a fully-automated generator of GPU-like ASIC accelerators**

**Perez, Tiago Diadami**; Gonçalves, Marcio M.; Gobatto, Leonardo; Brandalero, Marcelo; Azambuja, Jose Rodrigo; **Pagliarini, Samuel Nascimento** 2022 Design, Automation & Test in Europe Conference & Exhibition (DATE 2022) : proceedings 2022 / p. 544 - 547 <https://doi.org/10.23919/DATE54114.2022.9774758>

### **Greenhouse gas emission reduction perspectives in the Baltic States in frames of EU energy and climate policy**

**Roos, Inge; Soosaar, Sulev; Volkova, Anna**; Streimikene, Dalia Renewable & sustainable energy reviews 2012 / p. 2133-2146 : ill  
<https://www.sciencedirect.com/science/article/pii/S1364032112000147>



### **Heat recovery ventilation solutions for school building renovation**

**Kuivjõgi, Helena; Sarevet, Henri; Thalfeldt, Martin; Kurnitski, Jarek** CLIMA 2022: the 14th REHVA HVAC World Congress, 22nd – 25th May in Rotterdam, The Netherlands 2022 / p. 1-8 <https://doi.org/10.34641/clima.2022.208>

### **High-efficiency predictive control of pumping**

**Vodovozov, Valery; Bakman, Ilja; Raud, Zoja; Lehtla, Tõnu** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 203-206 : ill [http://www.ester.ee/record=b2150914\\*est](http://www.ester.ee/record=b2150914*est)

### **Holistic approach to design healthy and resilient apartments**

**Sepulveda Luque, Abel; Smirnov, Roman; Donaire Galiano, María Dolores** REHVA European HVAC Journal 2022 / p. 63-69 <https://www.rehva.eu/rehva-journal/chapter/holistic-approach-to-design-healthy-and-resilient-apartments>

### **Horizontal or vertical? Windows' layout selection for shading devices optimization**

**De Luca, Francesco; Voll, Hendrik; Thalfeldt, Martin** Management of environmental quality : an international journal 2016 / p. 623-633 : ill <https://doi.org/10.1108/MEQ-05-2015-0102> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **How vacancy of dwellings influences energy renovations of multifamily buildings**

**Lihtmaa, Lauri; Kalamees, Targo** Energies 2025 / art. 603 <https://doi.org/10.3390/en18030603>

### **Impact of the COVID-19 pandemic on the energy use and performance in commercial buildings**

**Belikov, Juri; Köse, Ahmet; Petlenkov, Eduard; Tepļakov, Aleksei; Loo, Lauri** 2022 45th International Conference on Telecommunications and Signal Processing, TSP 2022 2022 / p. 187-191 <https://doi.org/10.1109/TSP55681.2022.9851384>

### **Improvement of district heating network energy efficiency by pipe insulation renovation with PUR foam shells**

**Mašatin, Vladislav; Volkova, Anna; Hlebnikov, Aleksandr; Latšov, Eduard** Energy procedia 2017 / p. 265-269 : ill <https://doi.org/10.1016/j.egypro.2017.04.064> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Indoor climate and energy performance of traditional stone houses on Gotland, Sweden**

**Arumägi, Endrik; Kalamees, Targo; Broström, Tor** NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 616-623 : ill

### **Indoor climate of an unheated apartment and its impact on the heat consumption of adjacent apartments**

**Kõiv, Teet-Andrus; Hamburg, Anti; Thalfeldt, Martin; Fadejev, Jevgeni** Latest Trends in Sustainable and Green Development : Proceeding of the 3rd International Conference on Urban Sustainability, Cultural Sustainability, Green Development, Green Structures and Clean Cars (USCUDAR '12) : Barcelona, Spain, October 17-19, 2012 2012 / p. 52-57 : ill

### **Industrial CHP excess heat efficient usage for cooling**

**Uuema, Priit; Vigants, Haralds; Blumberga, Dagnija; Drovta, Imre** Energetika 2014 / p. 136-148 : ill <https://www.lmaleidykla.lt/ojs/index.php/energetika/article/view/2937> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Industrial CHP optimal management in the energy market under incomplete information**

**Uuema, Priit; Drovta, Imre; Kilter, Jako** 2014 IEEE Innovative Smart Grid Technologies Conference - Asia (ISGT ASIA) Conference : May 20-23, 2014, Berjaya Times Square Hotel, Kuala Lumpur 2014 / p. 383-387 : ill

### **Influence of moisture dry-out on hygrothermal performance of prefabricated modular renovation elements**

**Pihelo, Peep; Lelumees, Magnus; Kalamees, Targo** Energy procedia 2016 / p. 745-755 : ill <https://doi.org/10.1016/j.egypro.2016.09.137> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Integrating smart energy management system with internet of things and cloud computing for efficient demand side management in smart grids**

**Saleem, M. Usman; Shakir, Mustafa; Usman, M. Rehan; Bajwa, M. Hamza Tahir; Shabbir, Noman; Shams Ghahfarokhi, Payam; Daniel, Kamran** Energies 2023 / art. 4835 : ill <https://doi.org/10.3390/en16124835> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lessons learnt from the first public buildings in Estonia intended to be passive houses**

**Raide, Indrek; Kalamees, Targo; Muring, Tõnu** Proceedings of the Estonian Academy of Sciences 2015 / p. 157-167 : ill [https://artiklid.elnet.ee/record=b2727449\\*est](https://artiklid.elnet.ee/record=b2727449*est) <https://doi.org/10.3176/proc.2015.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Long-term policy recommendations for improving the efficiency of heating and cooling**

**Laktuka, Krista; Pakere, Ieva; Lauka, Dace; Blumberga, Dagnija; Volkova, Anna** Environmental and Climate Technologies 2021 / p. 392-404 : ill <https://doi.org/10.2478/rtuct-2021-0029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Low-energy chirps for bioimpedance measurement**

**Paavle, Toivo; Min, Mart;** Trebbels, Dennis 34th International Conference on Telecommunications and Signal Processing (TSP) : Budapest, Hungary, August 18-20, 2011 : [proceedings] 2011 / p. 398-402 : ill

**A machine learning approach to achieving energy efficiency in relay-assisted LTE-a downlink system**

Hassan, Hammad; Ahmed, Ifran; Ahmad, Rizwan; Khammari, Hedi; Bhatti, Ghulam; Ahmed, Waqas; **Alam, Muhammad Mahtab** Sensors 2019 / art. 3461, 25 p. : ill <https://doi.org/10.3390/s19163461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Managing energy efficiency and renewable energy in the residential sector : a bibliometric study**

Sotnyk, Iryna; Kurbatova, Tetiana; Kubatko, Oleksandra; Prokopenko, Olha; **Järvis, Marina** Problems and perspectives in management 2023 / p. 511-527 [https://doi.org/10.21511/ppm.21\(3\).2023.41](https://doi.org/10.21511/ppm.21(3).2023.41) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Maritime investment appraisal: The case of waste heat recovery systems installation**

**Olaniyi, Eunice Omolola; Prause, Gunnar Klaus** Reliability and statistics in transportation and communication : Selected Papers from the 20th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'20, 14-17 October 2020, Riga, Latvia 2021 / p. 603-612 [https://doi.org/10.1007/978-3-030-68476-1\\_56](https://doi.org/10.1007/978-3-030-68476-1_56) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**A method of optimizing fenestration design for daylighting to reduce heating and cooling loads in offices**

**Voll, Hendrik; Seinre, Erkki** Journal of civil engineering and management 2014 / p. 714-723 : ill <https://doi.org/10.3846/13923730.2013.801920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Method to divide heating energy in energy efficient building without direct measuring**

**Hamburg, Anti; Kalamees, Targo** Energy procedia 2017 / p. 45-50 : ill <https://doi.org/10.1016/j.egypro.2017.09.629> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Methodological approach to determining the effect of parallel energy consumption on district heating system**

**Latõšov, Eduard; Volkova, Anna; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin** Environmental and Climate Technologies 2017 / p. 5-14 : ill <https://doi.org/10.1515/ruect-2017-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Methodology for determining fenestration ranges for daylight and energy efficiency in Estonia**

**De Luca, Francesco;** Dogan, Timur; **Kurnitski, Jarek** 2018 Proceedings of the symposium on simulation for architecture and urban design 2018 / p. 63-70 : ill <http://www.simaud.org/proceedings/>

**Methodology for the improvement of large district heating networks**

**Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres** Proceedings of ECOS 2012 : the 25th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems : June 26-29, 2012, Perugia, Italy 2012 / p. 46-1 - 46-13 : ill <https://dom.lndb.lv/data/obj/file/30070253.pdf>

**Methodology for the improvement of large district heating networks**

**Volkova, Anna; Mashatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres** Scientific journal of Riga Technical University. Environmental and climate technologies 2012 / p. 39-45 : ill <https://dom.lndb.lv/data/obj/file/30070253.pdf>

**Methodology for the improvement of large district heating networks**

**Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres** Scientific journal of Riga Technical University. Environmental and climate technologies 2013 / p. 39-45 <https://dom.lndb.lv/data/obj/file/30070253.pdf>

**Monitoring of energy efficiency in industrial pneumatic machines**

**Parik, Ellen; Otto, Tauno** Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium : Intelligent Manufacturing & Automation 2012 / p. 0985-0988 : ill [CD-ROM] [https://www.researchgate.net/publication/283474506\\_Monitoring\\_of\\_energy\\_efficiency\\_in\\_industrial\\_pneumatic\\_machines](https://www.researchgate.net/publication/283474506_Monitoring_of_energy_efficiency_in_industrial_pneumatic_machines)

**Motion and energy efficiency parameters of the unmanned ground vehicle**

**Väljaots, Eero; Sell, Raivo; Kaeeli, Mati** Mechatronic systems and materials VI 2015 / p. 934-939 : ill <https://doi.org/10.4028/www.scientific.net/SSP.220-221.934> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Multi-nodal nano-actuator pacemaker for energy-efficient stimulation of cardiomyocytes**

Lu, Pengfei; Veletic, Mladen; **Laasmaa, Martin; Vendelin, Marko** Nano Communication Networks 2019 / art. 100270, 11 p. : ill <https://doi.org/10.1016/j.nancom.2019.100270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multi-objective optimization for daylight retrofit**

**De Luca, Francesco;** Wortmann, Thomas eCAADe 2020 : Anthropologic – Architecture and Fabrication in the cognitive age : Proceedings of the 38th eCAADe Conference : Education and research in Computer Aided Architectural Design in Europe, Berlin, Germany, 16-17 September 2020 2020 / p. 57-66 : ill [http://ecaade.org/downloads/eCAADe2020\\_volume1-print.pdf](http://ecaade.org/downloads/eCAADe2020_volume1-print.pdf) [http://papers.cumincad.org/cgi-bin/works/paper/ecaade2020\\_272](http://papers.cumincad.org/cgi-bin/works/paper/ecaade2020_272) [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Natural mode constant power source for manual arc welding**

**Šklovski, Jevgeni; Janson, Kuno; Sakkos, Tiiu** Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 31-34 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/2801>

### **Network coding and hierarchical modulation for energy efficient cooperative WBAN**

Waheed, Maham; Talha, Sadaf; Ahmad, Rizwan; Kiani, Adnan Khalid; **Alam, Muhammad Mahtab**; Ahmed, Waqas International journal of distributed systems and technologies 2019 / p. 90-111 <https://doi.org/10.4018/IJDSST.2019070106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Network coding for energy efficient transmission in Wireless Body Area Networks**

Talha, Sadaf; Rizwan, Ahmad; Adnan, K. Kiani; **Alam, Muhammad Mahtab** Procedia computer science 2017 / p. 435-440 : ill <https://doi.org/10.1016/j.procs.2017.08.285> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **A novel multi-criteria method for building massing based on energy performance and solar access : the mixed solar envelope (MSE) method**

**Sepulveda Luque, Abel; De Luca, Francesco** Co-creating the future: inclusion in and through design ; Vol. 1 2022 / p. 649-658 : ill <https://doi.org/10.52842/conf.ecaade.2022.1.649> <https://www.researchgate.net/publication/363503843> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **nZEB renovation with prefabricated modular panels**

**Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle** Energy procedia 2017 / p. 1006-1011 : ill <https://doi.org/10.1016/j.egypro.2017.09.708> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Optimization of office building facades in a warm summer continental climate**

**Hani, Allan; Kõiv, Teet-Andrus** Smart grid and renewable energy 2012 / p. 222-230 : ill [https://www.scrip.org/pdf/sgre20120300008\\_98662255.pdf](https://www.scrip.org/pdf/sgre20120300008_98662255.pdf)

### **Overview and future challenges of nearly zero-energy building (nZEB) design in Eastern Europe**

Attia, Shady; **Kurnitski, Jarek**; Kosin, Piotr; Borodinecs, Anatolijs; Belafi, Zsafia Deme; Istvan, Kistelegdi; Krstic, Hrvoje; Moldovan, Macedon; Visa, Ion; Mihailov, Nicolay Energy and buildings 2022 / art. 112165 <https://doi.org/10.1016/j.enbuild.2022.112165> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge**

**Derevshchikov, Vladimir; Dulova, Niina; Preis, Sergei** Journal of electrostatics 2021 / art. 103567, 9 p.: ill <https://doi.org/10.1016/j.elstat.2021.103567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance based core sustainability metrics for university campuses developing towards climate neutrality : a robust PICSOU framework**

Jiang, Qidi; **Kurnitski, Jarek** Sustainable cities and society 2023 / art. 104723 <https://doi.org/10.1016/j.scs.2023.104723> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance evaluation of 5G NR sidelink for V2X scenarios**

**Elgarhy, Osama Mohamed Mostafa; Yener, Onur; Alam, Muhammad Mahtab** 2022 18th Biennial Baltic Electronics Conference (BEC) : proceedings 2022 / 5 p <https://doi.org/10.1109/BEC56180.2022.9935591>

### **Power Electronics and Energy Management for Battery Storage Systems**

2022 <https://doi.org/10.3390/books978-3-0365-5278-1> [https://www.mdpi.com/journal/energies/special\\_issues/peem\\_for\\_battery\\_storage\\_systems](https://www.mdpi.com/journal/energies/special_issues/peem_for_battery_storage_systems)

### **Practical demand side management: one day case study**

**Köse, Ahmet; Hokmabad, Hossein Nourollahi; Belikov, Juri; Teplyakov, Aleksei; Petlenkov, Eduard** Healthy Buildings 2023 Europe: Beyond Disciplinary Boundaries: proceedings ; 1 2023 / p. 36-42 <https://www.proceedings.com/content/070/070278webtoc.pdf>

### **Prefabricated wooden modular elements for nZEB renovation**

**Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle** Advanced Building Skins : 13th Conference on Advanced Building Skins, 1-2 October, 2018, Bern, Switzerland 2018 / p. 591-598 : ill <https://abs.green/files/pdf/content-2018.pdf> <https://abs.green/conference-proceedings/>

### **Primary energy factor for district heating networks in European Union member states**

**Latšov, Eduard; Volkova, Anna; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin** Energy procedia 2017 / p. 69-77 : ill <https://doi.org/10.1016/j.egypro.2017.05.056> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Problems in the operating and calculation of payback of photovoltaic systems in buildings**

**Saikovski, Valeri** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [4] p. : ill <https://doi.org/10.1109/RTUCON.2017.8125624>

### **Promoting efficient district heating in Estonia**

**Latšov, Eduard**; Umbleja, Siim; **Volkova, Anna** Utilities policy 2022 / art. 101332, 9. : ill <https://doi.org/10.1016/j.jup.2021.101332>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pulsed corona discharge : the role of ozone and hydroxyl radical in aqueous pollutants oxidation**

**Preis, Sergei**; Panorel, I.; Kornev, I.; Hatakka, Henry; **Kallas, Juha** Water science & technology Water science and technology 2013 / p. 1536–1542 <https://doi.org/10.2166/wst.2013.399>

### **Pumps energy consumption based on new EU legislation**

**Annus, Ivar**; Uibo, D.; **Koppel, Tiit** Procedia engineering 2014 / p. 517-524 : ill <https://doi.org/10.1016/j.proeng.2014.11.473>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Renovation alternatives to improve energy performance of historic rural houses in the Baltic Sea region**

**Alev, Üllar**; Eskola, Lari; **Arumägi, Endrik**; **Kalamees, Targo** Energy and buildings 2014 / p. 58-66 : ill  
<https://doi.org/10.1016/j.enbuild.2014.03.049> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Retrofit cost-effectiveness : Estonian apartment buildings**

**Kuusk, Kalle**; **Kalamees, Targo** Building research & information 2016 / p. 920-934 : ill <https://doi.org/10.1080/09613218.2016.1103117>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review of energy challenges and horizons of hydrogen city buses**

**Vodovozov, Valery**; **Raud, Zoja**; **Petlenkov, Eduard** Energies 2022 / art. 6945 <https://doi.org/10.3390/en15196945> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of low-temperature sub-networks in existing district heating networks : examples, conditions, replicability**

Puschnigg, Stefan; Jauschnik, Gabriela; Moser, Simon; **Volkova, Anna**; Linhart, Matthias Energy Reports 2021 / p. 18-26 : ill  
<https://doi.org/10.1016/j.egyr.2021.09.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of non-residential building renovation and improvement of energy efficiency: office buildings in Finland, Sweden, Norway, Denmark, and Germany**

**Kiviste, Mihkel**; Musakka, Sami; **Ruus, Aime**; Vinha, Juha Energies 2023 / art. 4220, 26 p <https://doi.org/10.3390/en16104220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review on Braking Energy Management in Electric Vehicles**

**Vodovozov, Valery**; **Raud, Zoja**; **Petlenkov, Eduard** Energies 2021 / art. 4477 <https://doi.org/10.3390/en14154477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Revitalizing modernist districts : neighbourhood level mass-renovation with OFTacademy project**

**Truu, Murel**; **Lihtmaa, Lauri**; Niinemägi, Mariliis Journal of sustainable architecture and civil engineering 2024 / p. 8-21  
<https://doi.org/10.5755/j01.sace.34.1.35646>

### **Secure, context-aware and QoS-enabled SDN architecture to improve energy efficiency in IoT-based smart buildings**

Hakiri, Akram; Sallem, Bassem; Ghandour, Fatma; **Ben Yahia, Sadok** Distributed computing for emerging smart networks : Second International Workshop, DiCES-N 2020, Bizerte, Tunisia, December 18, 2020, proceedings 2020 / p. 55-74 : ill  
[https://doi.org/10.1007/978-3-030-65810-6\\_4](https://doi.org/10.1007/978-3-030-65810-6_4) [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Simulation study of high step-up quasi-Z-source DC-DC converter with synchronous rectification**

**Liivik, Liisa**; **Vinnikov, Dmitri**; **Zakis, Janis** 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 34-37 : ill

### **Speed control strategy selection for multi-pump systems**

**Bakman, Ilja**; **Gevorkov, Levon** 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 353-356 : ill

### **State-subsidised refurbishment of socialist apartment buildings in Estonia**

**Kuusk, Kalle**; **Kurnitski, Jarek** Housing estates in the Baltic countries : the legacy of central planning in Estonia, Latvia and Lithuania 2019 / p. 339-355 : ill [https://doi.org/10.1007/978-3-030-23392-1\\_16](https://doi.org/10.1007/978-3-030-23392-1_16) [https://www.ester.ee/record=b5284229\\*est](https://www.ester.ee/record=b5284229*est)

### **Study of the centrifugal pump efficiency at throttling and speed control**

**Gevorkov, Levon**; **Vodovozov, Valery** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 199-202 : ill  
[http://www.ester.ee/record=b2150914\\*est](http://www.ester.ee/record=b2150914*est)

### **Surfactant and non-surfactant radical scavengers in aqueous reactions induced by pulsed corona discharge treatment**

Wang, Yi-Xian; Kornev, Iakov; Wei, Chao-Hai; **Preis, Sergei** Journal of electrostatics 2019 / p. 82-86 : ill  
<https://doi.org/10.1016/j.elstat.2019.03.001> [Tehnikaülikooli teadlaste uudne lahendus puhastab vett elektriga](#) [Journal metrics at Scopus](#) [Article](#)



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

**Technical condition of prefabricated concrete large panel apartment buildings in Estonia**

**Kalamees, Targo; Õiger, Karl; Kõiv, Teet-Andrus; Liias, Roode; Kallavus, Urve; Mikli, Lauri; Lehtla, Andres; Kodi, Georg; Arumägi, Endrik** XII International Conference on Durability of Building Materials and Components : Porto, Portugal, April 12-15, 2011 : proceedings. II 2011 / p. 973-981 : ill

**The impact of building renovation with heat pumps to competitiveness of district heating : Estonian district heating pricing system needs more flexibility**

**Reino, Arbo; Härm, Mihkel; Hamburg, Arvi** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [6] p. : ill  
<http://dx.doi.org/10.1109/RTUCon.2017.8124791>

**The use of thermal energy storage for energy system based on cogeneration plant**

**Volkova, Anna; Siirde, Andres** Recent Researches in Geography, Geology, Energy, Environment and Biomedicine : Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '11) : Proceedings of the 2nd International Conference on Geography and Geology 2011 (WORLD-GEO '11) : Proceedings of the 5th International Conference on Energy and Development - Environment - Biomedicine 2011 (EDEB '11), Corfu Island, Greece, July 14-16, 2011 2011 / p. 71-75 : ill

**Time-domain manipulating of short-time chirps**

**Paavle, Toivo; Min, Mart** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 129-132 : ill

**Towards efficient wireless body area network using two-way relay cooperation**

Waheed, Maham; Ahmad, Rizwan; **Alam, Muhammad Mahtab** Sensors 2018 / art. 565, 23 p. : ill <https://doi.org/10.3390/s18020565>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transition towards university campus carbon neutrality by connecting to city district heating network**

Hiltunen, Pauli; **Volkova, Anna; Latõšov, Eduard; Lepiksaar, Kertu**; Syri, Sanna Energy reports 2022 / p. 9493-9505  
<https://doi.org/10.1016/j.egy.2022.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Triple fixed-point MAC unit for deep learning**

**Kerner, Madis; Tammemäe, Kalle; Raik, Jaan; Hollstein, Thomas** Proceedings of the 2021 Design, Automation & Test in Europe (DATE 2021), 1-5 February 2021 : Virtual Conference 2021 / p. 1404-1407 <https://doi.org/10.23919/DATe51398.2021.9474020>

**Unmanned ground vehicle energy efficiency validation in territory surveillance mission**

**Väljaots, Eero; Sell, Raivo**; Rimasauskas, Marius Mechatronic Systems and Materials VII 2016 / p. 164-170  
<https://doi.org/10.4028/www.scientific.net/SSP.251.164> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Unmanned ground vehicle SysML navigation model conducted by energy efficiency**

**Väljaots, Eero; Sell, Raivo** Advances in applied materials and electronics engineering III 2014 / p. 443-447  
<https://doi.org/10.4028/www.scientific.net/AMR.905.443> [Article at Scopus](#)

**Urban planning principles of nearly zero-energy residential buildings in Estonia**

**Voll, Hendrik; Thalfeldt, Martin; De Luca, Francesco; Kurnitski, Jarek; Olesk, Timo** Management of environmental quality - an international journal 2016 / p. 634-648 : ill <https://doi.org/10.1108/meq-05-2015-0101> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Use of value stream mapping for evaluation of load conservation and peak clipping possibilities [Electronic resource]**

**Melsas, Raivo; Rosin, Argo** 2017 IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) : 6-9 June, 2017, Milan, Italy : conference proceedings 2017 / [6] p. : ill. [DVD] <https://doi.org/10.1109/EEEIC.2017.7977549>

**Uses of the digital twins concept for energy services, intelligent recommendation systems, and demand side management : a review**

**Onile, Abiodun Emmanuel**; Machlev, Ram; **Petlenkov, Eduard**; Levron, Yoash; **Belikov, Juri** Energy reports 2021 / p. 997-1015  
<https://doi.org/10.1016/j.egy.2021.01.090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**VAV fan coil and demand controlled active chilled beam systems energy efficiency and thermal comfort performance comparison in a Japanese office building**

Ahmed, Kaiser; Yoon, Gyuyoung; Ukai, Makiko; **Kurnitski, Jarek** E3S Web of Conferences : BuildSim Nordic 2024 2024 / art. 06004 <https://doi.org/10.1051/e3sconf/202456206004>

**Ventilation system design in three European geo cluster**

Zemitis, Jurgis; Borodinecs, Anatolijs; Geikins, Aleksandrs; **Kalamees, Targo; Kuusk, Kalle** Energy procedia 2016 / p. 285-293 : ill  
<https://doi.org/10.1016/j.egypro.2016.09.151> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Window model and 5 year price data sensitivity to cost-effective facade solutions for office buildings in Estonia**

**Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik** Energy 2017 / p. 685-697 : ill

<https://doi.org/10.1016/j.energy.2017.06.160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Результаты реконструкции многоквартирных домов в Эстонии по схеме KredEx. Вентиляционные системы**

**Kurnitski, Jarek; Mikola, Alo** abok.ru 2022 / 1 с. : ил [https://www.abok.ru/for\\_spec/articles.php?nid=8035](https://www.abok.ru/for_spec/articles.php?nid=8035)