

### **A modification of the classical Ekman model accounting for the Stokes drift and stratification effects**

Heinloo, Jaak; Toompuu, Aleksander Environmental fluid mechanics 2011 / [13] p. : ill

### **Acoustic noise computation of electrical motors using the boundary element method**

Sathyan, Sabin; Aydin, Ugur; Belahcen, Anouar Energies 2020 / art. 0245 <https://doi.org/10.3390/en13010245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Adjusted electrical equivalent circuit model of induction motor with broken rotor bars**

Rassõlkin, Anton; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Petrov, Aleksei; Plokhov, Igor; Kotelnikov, Aleksandr PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 213-218 : ill <https://doi.org/10.1109/PQ.2016.7724115>

### **Closed-loop identification of fractional-order models using FOMCON toolbox for MATLAB**

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri 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. 213-216 : ill

### **CO2 mineral trapping : modeling of calcium carbonate precipitation in a semi-batch reactor**

Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik Energy procedia 2011 / p. 771-778 : 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](#)

### **Detailed modeling of sorptive and textural properties of CaO-based sorbents with various porous structures**

Bazaikin, Ya.V.; Malkovich, E.G.; Prokhorov, D.I.; Derevshchikov, Vladimir Separation and purification technology 2021 / art. 117746, 12 p. : ill <https://doi.org/10.1016/j.seppur.2020.117746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of prosumer logical structure and object modeling**

Korõtko, Tarmo; Rosin, Argo; Ahmadiyahangar, Roya 2019 IEEE 13th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : [proceedings] 2019 / 6 p. : ill <https://doi.org/10.1109/CPE.2019.8862390>

### **Energy saving estimates for regenerative braking and downhill driving of battery electric vehicles**

Vodovozov, Valery; Rassõlkin, Anton; Lillo, Nikolai; Raud, Zoja 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. 237-240 : ill

### **Feature engineering for short-term forecast of energy consumption**

Spitšakova, Margarita; Belikov, Juri; Nõu, Kalvi; Petlenkov, Eduard Proceedings of 2019 IEEE PES : Innovative Smart Grid Technologies Europe : (ISGT-Europe), Bucharest Romania, 29 September - 2 October, 2019 2019 / 5 p. : ill <https://doi.org/10.1109/ISGTEurope.2019.8905698>

### **Feature engineering of Weather Data for Short-Term Energy Consumption Forecast**

Sinimaa, Maria; Spitšakova, Margarita; Belikov, Juri; Petlenkov, Eduard 2021 IEEE Madrid PowerTech 2021 / 6 p. <https://doi.org/10.1109/PowerTech46648.2021.9494920>

### **Hardware-in-the-loop simulation of motor drives for pumping applications**

Gevorkov, Levon; Bakman, Ilja; Vodovozov, Valery PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 203-208 : ill

### **Investigation of molten metal mixing in a DC electric arc furnace with added AC component on different frequencies**

Mõlder, Heigo; Järvik, Jaan; Vaimann, Toomas; Gordon, Rauno PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 33-36 : ill

### **Microgrid oriented modeling of space heating system based on neural networks**

Häring, Tobias; Kull, Tuule Mall; Ahmadiyahangar, Roya; Rosin, Argo; Thalfeldt, Martin; Biechl, Helmut Journal of building engineering 2021 / art. 103150, 12 p. : ill <https://doi.org/10.1016/j.jobee.2021.103150> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Model checking in pattern based control systems design [Electronic resource]**

Vain, Jüri; Ernits, Juhan-Peep Proceedings of the 15th IFAC World Congress : Barcelona, Spain, 2002 2002 / [6] p. : ill. [CD-ROM]

### **Modeling and analysis of pumping motor drives in hardware-in-the-loop environment**

Vodovozov, Valery; Gevorkov, Levon; Raud, Zoja Journal of power and energy engineering 2014 / p. 19-27 : ill

### **Modeling and simulation of dual clutch transmission and hybrid electric vehicles**

**Abouelkheir, Moustafa; Vu, Trieu Minh** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 168-174 : ill <http://innomet.ttu.ee/daaam/>

### **Modeling of demand side management scenarios in apartment buildings**

**Vill, Kaija; Rosin, Argo; Lehtla, Madis** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 113-118 : ill <https://doi.org/10.1109/PQ.2016.7724099>

### **Modeling submesoscale processes in the gulf of finland - case scenario upwelling events in the summer 2006**

**Väli, Germo; Zhurbas, Victor; Laanemets, Jaan; Lips, Urmas; Elken, Jüri** 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 82 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

### **Modeling the dynamics of lung tissue with pulsating blood-flow in pulmonary arteries for bioimpedance simulation**

**Gordon, Rauno; Annus, Paul** International Workshop on Impedance Spectroscopy : IWIS 2013 : abstract book : September 25-27, 2013, Chemnitz University of Technology, Germany 2013 / p. 94-65 : ill

### **Modeling water supply system control system algorithms**

**Sunela, Markus; Puust, Raido** Procedia engineering 2015 / p. 734-743 : ill <http://dx.doi.org/10.1016/j.proeng.2015.08.927>

### **Open-source software for modeling and analysis of power networks in the dq0 reference frame**

**Levron, Yoash; Belikov, Juri** 2017 IEEE Manchester PowerTech (PowerTech 2017) : Manchester, United Kingdom, 18-22 June 2017 2017 / p. 623-628 : ill <https://doi.org/10.1109/PTC.2017.7980912>

### **Oxy-fuel combustion of Estonian oil shale : kinetics and modeling**

**Yörük, Can Rüstü; Meriste, Tõnis; Trikkel, Andres; Kuusik, Rein, keemik** Energy procedia 2016 / p. 124-133 : ill <http://dx.doi.org/10.1016/j.egypro.2016.01.013>

### **Pacing algorithm test environment for simulating critical bleeding situations**

**Kink, Andres** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [3] p. : ill

### **Permanent magnet synchronous machine control performance and analysis for environment-friendly electric vehicle applications**

**Sardar, Muhammad Usman; Yaqoob, Muhammad; Akbar, Siddique; Shah, Syed Imran Ahmad; Shahid, Muhammad Usama; Mutloob, Tayyaba** Engineering Proceedings 2023 / art. 7, p. 1-6 <https://doi.org/10.3390/engproc2023046007>

### **Reserves for regenerative braking of battery electric vehicles**

**Raud, Zoja; Vodovozov, Valery; Lillo, Nikolai; Rassõlkin, Anton** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 189-194 : ill

### **Simplified methods for deciding the feasibility of investment in electrical systems of building**

**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 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2017.8124789>

### **A sparse minimal-order dynamic model of power networks based on DQ0 signals**

**Belikov, Juri; Levron, Yoash** IEEE transactions on power systems 2018 / p. 1059-1067 : ill <https://doi.org/10.1109/TPWRS.2017.2702746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Survey on 3D technologies : case study on 3D scanning, processing and printing with a model**

**Abdelmomen, Mohamed; Dengiz, Ozan Fuat; Tamre, Mart** 2020 21st International Conference on Research and Education in Mechatronics (REM) 2020 <https://doi.org/10.1109/REM49740.2020.9313881>

### **Synergy in co-pyrolysis of oil shale and pine sawdust in autoclaves**

**Johannes, Ille; Tiikma, Laine; Luik, Hans** Journal of analytical and applied pyrolysis 2013 / 341-352 : ill

### **Takagi-Sugeno systems with improved interpretability and interpolation using a complementary interpolation model**

**Riid, Andri; Rüstern, Ennu** Proceedings of the IEEE 4th International Conference on Intelligent System Design and Applications : Budapest, Hungary, 2004. Vol. 1 2004 / p. 259-264 : ill

### **Teaching modeling in SysML/UML and problems encountered**

**Kruus, Helena; Robal, Tarmo; Jervan, Gert** Proceedings of the 25th International Conference on European Association for Education in Electrical and Information Engineering : 30 May-June 2014, Cesme, Türkiye 2014 / p. 33-36 : ill

### **The cluster computation-based hybrid FEM-analytical model of induction motor for fault diagnostics**

**Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Iqbal, Muhammad Naveed** Applied sciences 2020 / art. 7572, 15 p. : ill <https://doi.org/10.3390/app10217572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Towards establishing relationships between human arousal level and motion mass**

**Nõmm, Sven; Kõnnusaar, Tiit; Toomela, Aaro** Neural Information Processing : 21st International Conference, ICONIP 2014, Kuching, Malaysia, November 3-6, 2014 : proceedings. Part 1 2014 / p. 19-26 : ill

**Towards modeling of finger motions in virtual reality environment**

**Nõmm, Sven; Toomela, Aaro; Kulikov, Jaroslav** Augmented Reality, Virtual Reality, and Computer Graphics : 4th International Conference, AVR 2017, Ugento, Italy, June 12-15, 2017 : proceedings. Part I 2017 / p. 106-115 : ill [https://doi.org/10.1007/978-3-319-60922-5\\_8](https://doi.org/10.1007/978-3-319-60922-5_8)

**Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors**

**Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Ghahfarokhi, Payam Shams; Kudelina, Karolina** Applied sciences 2021 / 17 p. : ill <https://doi.org/10.3390/app11062806> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Utilization of oil shale combustion wastes for PCC production : quantifying the kinetics of  $\text{Ca(OH)}_2$  and  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  dissolution in aqueous systems**

**Uibu, Mai; Tamm, Kadriann; Velts-Jänes, Olga; Kallaste, Priit; Kuusik, Rein, keemik; Kallas, Juha** Fuel processing technology 2015 / p. 156-164 : ill <http://dx.doi.org/10.1016/j.fuproc.2015.09.010>

**Waste oil shale ash as a novel source of calcium for precipitated calcium carbonate : carbonation mechanism, modeling, and product characterization**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** Journal of hazardous materials 2011 / p. 139-146 : ill