

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

Identification and characterization of modulation scheme in an EV-PMSM control strategy for digital twin modeling

Mohamed, Mahmoud Ibrahim Hassanin; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants Diagnostika 2024 - 2024 International Conference on Diagnostics in Electrical Engineering, Proceedings 2024 / 5 p <https://doi.org/10.1109/Diagnostika61830.2024.10693927>

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 <https://www.semanticscholar.org/paper/Investigation-of-molten-metal-mixing-in-a-DC-arc-AC-M%C3%B5lder-Jarvik/38848bbd53c7d118a0077072daa0ffb86f649657>

Microgrid oriented modeling of space heating system based on neural networks

Häring, Tobias; Kull, Tuule Mall; Ahmadiyahangar, Roya; Rosin, Argo; Thalfeldt, Martin; Biechl, Helmuth Journal of building engineering 2021 / art. 103150, 12 p. : ill <https://doi.org/10.1016/j.jobe.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]
<https://www.sciencedirect.com/science/article/pii/S1474667015393666#cekeyws10>

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

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 <https://doi.org/10.1016/j.proeng.2015.08.927> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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
<https://doi.org/10.1016/j.egypro.2016.01.013> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

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
<https://doi.org/10.1016/j.jaap.2013.06.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 https://conf.uni-obuda.hu/isda2004/43_ISDA2004.pdf

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 https://doi.org/10.1007/978-3-319-12637-1_3 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

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 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

Understanding harmful algae in stratified systems: Review of progress and future directions

Berdalet, E.; McManus, M.A.; Ross, O.N.; Burchard, H.; Chavez, F.P.; Jaffe, J.S.; Jenkinson, I.R.; Kudela, R.; Lips, Inga; Lips, Urmas Deep-sea research part II: Topical studies in oceanography 2014 / p. 4-20 : ill <https://doi.org/10.1016/j.dsr2.2013.09.042> [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 $\text{Ca}(\text{OH})_2$ 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 <https://doi.org/10.1016/j.fuproc.2015.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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