

### **Adaptability, interpretability and rule weights in fuzzy rule-based systems**

**Riid, Andri; Rüstern, Ennu** Information sciences 2014 / p. 301-312 : ill

### **Blended antilock braking system control method for all-wheel drive electric sport utility vehicle**

**Aksjonov, Andrei; Vodovozov, Valery; Augsburg, Klaus; Petlenkov, Eduard** Electrimacs 2019 : Selected Papers, Vol. 1 2020 / p. 229-241 [https://doi.org/10.1007/978-3-030-37161-6\\_17](https://doi.org/10.1007/978-3-030-37161-6_17) [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Design and experimentation of fuzzy logic control for an anti-lock braking system**

**Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard** 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. 207-210 : ill [http://www.ester.ee/record=b2150914\\*est](http://www.ester.ee/record=b2150914*est)

### **Design and simulation of the robust ABS and ESP fuzzy logic controller on the complex braking maneuvers**

**Aksjonov, Andrei; Augsburg, Klaus; Vodovozov, Valery** Applied sciences 2016 / p. 1-18 : ill <http://dx.doi.org/10.3390/app6120382>

### **Design of regenerative anti-lock braking system controller for 4 in-wheel-motor drive electric vehicle with road surface estimation**

**Aksjonov, Andrei; Vodovozov, Valery; Augsburg, Klaus; Petlenkov, Eduard** International journal of automotive technology 2018 / p. 727-742 : ill <https://doi.org/10.1007/s12239-018-0070-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fuzzy control of energy recovery in electric vehicles with hybrid energy storage**

**Vodovozov, Valery; Aksjonov, Andrei; Ricciardi, Vincenzo; Raud, Zoja** 2019 International Conference on Clean Electrical Power (ICCEP) 2019 / p. 345-350 : ill <https://doi.org/10.1109/ICCEP.2019.8890103>

### **Fuzzy gradient control of electric vehicles at blended braking with volatile driving conditions**

**Vodovozov, Valery; Petlenkov, Eduard; Aksjonov, Andrei; Raud, Zoja** ICINCO 2020 : 17th International Conference on Informatics in Control, Automation and Robotics, July 7-9, 2020 : online 2020 / p. 250-261 <http://wikicfp.com/cfp/servlet/event.showcfp?eventid=97093&copyownerid=45217>

### **Hardware-in-the-Loop test of an open loop fuzzy control method for decoupled electro-hydraulic antilock braking system**

**Aksjonov, Andrei; Ricciardi, Vincenzo; Augsburg, Klaus; Vodovozov, Valery; Petlenkov, Eduard** IEEE transactions on fuzzy systems 2020 / p. 965-975: ill <https://doi.org/10.1109/TFUZZ.2020.2965868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Overview on Energy Management of Electric Vehicles with Intelligent Braking Controllers**

**Vodovozov, Valery; Raud, Zoja** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTU CON), November 15-17, 2021 : conference proceedings 2022 / 4 p. : ill <https://doi.org/10.1109/RTU CON53541.2021.9711715>

### **Principles and methods of servomotor control : comparative analysis and applications**

**Autsou, Sjarhei; Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants** Applied sciences 2024 / art. 2579 <https://doi.org/10.3390/app14062579>

### **Simulation study of electric vehicles at fuzzy PID control of braking torque**

**Vodovozov, Valery; Petlenkov, Eduard; Aksjonov, Andrei; Raud, Zoja** Informatics in Control, Automation and Robotics : 17th International Conference, ICINCO 2020 Lieusaint - Paris, France, July 7-9, 2020, Revised Selected Papers 2022 / p. 261-290 [https://doi.org/10.1007/978-3-030-92442-3\\_15](https://doi.org/10.1007/978-3-030-92442-3_15) [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Three-dimensional crane modelling and control using Euler-Lagrange state-space approach and anti-swing fuzzy logic**

**Aksjonov, Andrei; Vodovozov, Valery; Petlenkov, Eduard** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2015 / p. 5-13 : ill <http://dx.doi.org/10.1515/ecce-2015-0006>

### **Trajectory phase-plane method - based analysis of stability and performance of a fuzzy logic controller for an anti-lock braking system**

**Aksjonov, Andrei; Ricciardi, Vincenzo; Vodovozov, Valery; Augsburg, Klaus** 2019 IEEE International Conference on Mechatronics (ICM) : proceedings 2019 / p. 602-607 : ill <https://doi.org/10.1109/ICMECH.2019.8722831>