

**Fractional-order modeling and control of ionic polymer-metal composite actuator**

**Tepljakov, Aleksei**; Vunder, Veiko; **Petlenkov, Eduard**; Nakshatharan, S Sunjai; Punning, Andres; **Kaparin, Vadim**; **Belikov, Juri**; Aabloo, Alvo Smart materials and structures 2019 / 12 p. : ill <https://doi.org/10.1088/1361-665X/ab2c75> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Incorporation of fractional-order dynamics into an existing PI/PID DC motor control loop**

**Tepljakov, Aleksei**; Gonzales, Emmanuel A.; **Petlenkov, Eduard**; **Belikov, Juri**; Monje, Concepcion A.; Petraš, Ivo ISA transactions 2016 / p. 262-273 : ill <http://dx.doi.org/10.1016/j.isatra.2015.11.012>

**Interactive whiteboards in extended reality for advanced control system design**

**Tepljakov, Aleksei** 44th International Conference on Telecommunications and Signal Processing (TSP) 2021 / p. 1-5 <https://doi.org/10.1109/TSP52935.2021.9522616>

**Software implementation of FOPID controllers with tuning capability for fractional FOPDT plants**

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