

Improving beam-based regulation for continuous-wave linear accelerators with a disturbance model-based design =
Pidevlaine lineaarse kiirendite kiire põhise reguleerimise täiustamine häiringu mudelil põhineva sünteesi abil

Maalberg, Andrei 2023 <https://doi.org/10.23658/taltech.51/2023> <https://digikogu.taltech.ee/et/Item/b6a935be-08cf-4874-aef2-dcda56693add>
https://www.eester.ee/record=b5638841*est

Real-time regulation of beam-based feedback : implementing an FPGA solution for a continuous wave linear accelerator

Maalberg, Andrei; Kuntzsch, Michael; **Petlenkov, Eduard** Sensors 2022 / art. 6236, 22 p. : ill <https://doi.org/10.3390/s22166236>
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Regulation of electron bunch arrival time for a continuous-wave linac : exploring the application of the H2 mixed-sensitivity problem

Maalberg, Andrei; Kuntzsch, Michael; Zenker, Klaus; **Petlenkov, Eduard** Physical Review Accelerators and Beams 2023 / art. 072801, 13 p. : ill <https://doi.org/10.1103/PhysRevAccelBeams.26.072801> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regulation of the linear accelerator ELBE exploiting continuous wave mode of a superconducting RF cavity

Maalberg, Andrei; Kuntzsch, Michael; **Petlenkov, Eduard** 2022 American Control Conference (ACC) : Atlanta, GA, USA, 8-10 June 2022 : proceedings 2022 / p. 5346-5353 : ill <https://doi.org/10.23919/ACC53348.2022.9867172> [Conference Proceedings at Scopus](#)
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Simulation of RF noise propagation to relativistic electron beam properties in a linear accelerator

Maalberg, Andrei; Kuntzsch, Michael; **Petlenkov, Eduard** IFAC-PapersOnLine 2020 / p. 348-354
<https://doi.org/10.1016/j.ifacol.2020.12.184> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)