

Calculation of optimal design for knee joint smart orthosis

Turchinovich, Nikita; Krokhalava, Nadezhda; Monahov, Yuri; **Sivitski, Alina**; Perepelkina, Svetlana; **Penkov, Igor**; **Arjassov, Gennadi** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 214-218 : ill <http://innomet.ttu.ee/daaam/>

Design and implementation of a mechatronic elbow orthosis

Minh, Vu Trieu; **Tamre, Mart**; Safonov, Aleksei; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii Mechatronic Systems and Control 2020 / p. 231 - 238 <https://doi.org/10.2316/J.2020.201-0056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design of a wearable mechatronic brace

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Model predictive control for modeling human gait motions assisted by Vicon technology

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Modeling human gait based on model predictive control

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Modeling of the human lower-limb motion, design and control of knee joint orthosis

Musalimov, Victor; Monahov, Yuri; **Tamre, Mart**; Rõbak, Dmitri; **Sivitski, Alina**; Arjassov, Gennadi; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2017 / p. 371-376 <https://doi.org/10.15866/iremos.v10i5.11853> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modelling of the human knee joint supported by active orthosis

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Motion modeling of the human lower limb, supported by orthoses

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Nutikas ortoos hakkab jälgima oma kandjat

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Моделирование походки человека в среде MATLAB/SIMULINK

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