Digital object memory based monitoring and assistance applications in manual work station

Aruväli, Tanel 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II": Pärnu, Estonia, January 13-18, 2014 2014 / p. 274-276: ill

Digital Object Memory based monitoring solutions in manufacturing processes

Aruväli, Tanel; Maass, Wolfgang; Otto, Tauno Procedia engineering 2014 / p. 449-458 : ill

Digital Object Memory integration into indirect surface roughness measurement in turning

Aruväli, Tanel; **Otto, Tauno** 4th Mechanical and Manufacturing Engineering : selected, peer reviewed papers from the 4th International Conference on Mechanical and Manufacturing Engineering (ICME 2013), December 17-18, 2013, Bangi-Putrajaya, Malaysia 2014 / p. 764-768

Industrial process monitoring by multi-channel acoustic signal analysis

Astapov, Sergei; Riid, Andri; Preden, Jürgo-Sören; Aruväli, Tanel 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. 209-212: ill

In-process determing of the working mode in CNC turning

Aruväli, Tanel; Serg, Risto; Preden, Jürgo-Sören; Otto, Tauno Estonian journal of engineering 2011 / 1, p. 4-16 : ill https://www.kirj.ee/public/Engineering/2011/issue_1/eng-2011-1-4-16.pdf

In-process vibration monitoring on CNC lathe

Aruväli, Tanel; **Serg, Risto**; **Otto, Tauno** 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II: Pärnu, Estonia, January 10-15, 2011 2011 / p. 174-178: ill

Machinery real time monitoring application planning for workshop

Aruväli, Tanel 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II: Kuressaare, Estonia, June 11-16, 2012 2012 / p. 142-144: ill

Machinery utilization monitoring and pause identification prototype model design

Aruväli, Tanel; **Serg, Risto**; **Otto, Tauno** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 256-261 : ill

Modern monitoring opportunities in shopfloor

Aruväli, Tanel; **Otto, Tauno**; **Preden, Jürgo-Sören** Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Interdistciplinary Solutions": 20-23rd October 2010, Zadar, Croatia 2010 / p. 989 - 990: ill https://www.daaam.info/Downloads/Pdfs/proceedings/proceedings_2010/24167_Symp_1_head.pdf

Monitoring of manufacturing machinery using smart dust applications

Aruväli, Tanel; **Serg, Risto**; **Otto, Tauno**; **Preden, Jürgo-Sören** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II: Pärnu, Estonia, June 14-19, 2010 2010 / p. 209-213: ill

Monitoring system framework and architecture over supply chain

Aruväli, Tanel; Serg, Risto; Kõrbe Kaare, Kati; Otto, Tauno Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium: Intelligent Manufacturing & Automation 2012 / 1, p. 0661-0666: ill [CD-ROM] https://www.daaam.info/Downloads/Pdfs/proceedings/proceedings/2012/155.pdf

Nanodevices expectations in construction engineering

Aruväli, Tanel 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II: Pärnu, Estonia, January 16-21, 2012 2012 / p. 289-294: ill

Power consumption based online condition monitoring in milling machine

Serg, Risto; **Aruväli, Tanel**; **Otto, Tauno** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 193-197 : ill

Production machinery utilization monitoring based on acoustic and vibration signal analysis

Astapov, Sergei; **Preden, Jürgo-Sören**; **Aruväli, Tanel**; **Gordon, Boris** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 268-273 : ill

Real time production monitoring system in SME

Snatkin, Aleksei; **Karjust, Kristo**; **Majak, Jüri**; **Aruväli, Tanel**; Eiskop, Tanel Estonian journal of engineering 2013 / p. 62-75 https://doi.org/10.3176/eng.2013.1.06 Article at Scopus

Real-time machinery monitoring applications in shop floor

Aruväli, Tanel; Reinson, Taavi; Serg, Risto Proceedings of the World Congress on Engineering and Computer Science 2011:

WCECS 2011: October 19-21, 2011, San Francisco, USA. Vol. I 2011 / p. 337-342: ill https://www.iaeng.org/publication/WCECS2011/WCECS2011_pp337-342.pdf

Resilience in manufacturing during COVID-19 through digital worker assistance systems

Rauch, Erwin; **Aruväli, Tanel** IEM Teaching and Research at the Crossroads of Innovation, Digitalisation and Sustainability: Proceedings of the 14th EPIEM Conference 2021 2021 / p. 41-47 https://doi.org/10.3217/978-3-85125-827-1

Smart dust applications in production environment

Aruväli, Tanel; Serg, Risto; Preden, Jürgo-Sören; Otto, Tauno Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering: 22-24th April 2010, Tallinn, Estonia. [III] 2010 / p. 572-577: ill

Wireless real-time monitoring of machining processes = Juhtmevaba reaalajas lõiketöötluse monitooring Aruväli, Tanel 2015 http://www.ester.ee/record=b4446057*est