

Analysis and 3D visualisation of microstructured materials on custom-built virtual reality environment =
Virtuaalkeskonna arendamine mikrostruktuursete materjalide analüüsiks ja kolmemõõtmeliseks visualiseerimiseks
Pastorelli, Emiliano 2015 <https://digi.lib.ttu.ee/i/?2533> https://www.ester.ee/record=b4483740*est

Complex materials analysis and visualization through virtual reality environments

Pastorelli, Emiliano; Herrmann, Heiko Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 99-102 : ill

Methods for fibre orientation analysis of X-ray tomography images of steel fibre reinforced concrete (SFRC)

Herrmann, Heiko; Pastorelli, Emiliano; Kallonen, Aki; Suuronen, Jussi-Petteri Journal of materials science 2016 / p. 3772-3783 : ill
<https://doi.org/10.1007/s10853-015-9695-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scalable medical viewer for virtual reality environments

Ricciardi, Francesco; **Pastorelli, Emiliano**; De Paolis, Lucio Tommaso; **Herrmann, Heiko** Augmented and Virtual Reality : second International Conference, AVR 2015, Lecce, Italy, August 31 - September 3, 2015 : proceedings 2015 / p. 233-243 : ill
https://doi.org/10.1007/978-3-319-22888-4_17 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

A small-scale, low-budget semi-immersive virtual environment for scientific visualization and research

Pastorelli, Emiliano; Herrmann, Heiko 2013 International Conference on Virtual and Augmented Reality in Education 2013 / p. 14-22 <https://doi.org/10.1016/j.procs.2013.11.003> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Time-efficient automated analysis for fibre orientations in steel fibre reinforced concrete

Pastorelli, Emiliano; Herrmann, Heiko Proceedings of the Estonian Academy of Sciences 2016 / p. 28-36 : ill
<https://doi.org/10.3176/proc.2016.1.02> https://artiklid.elnet.ee/record=b2760711*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Virtual reality visualization for photogrammetric 3d reconstructions of cultural heritage

Herrmann, Heiko; Pastorelli, Emiliano Augmented and Virtual Reality First International Conference, AVR 2014, Lecce, Italy, September 17–20, 2014 : Revised Selected Papers 2014 / p. 283-295 : ill https://doi.org/10.1007/978-3-319-13969-2_21 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Conference proceeding at WOS](#) [Article at WOS](#)

Virtual reality visualization for short fibre orientation analysis

Pastorelli, Emiliano; Herrmann, Heiko 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. 201-204 : ill