

An orthotropic material model for steel fibre reinforced concrete based on the orientation distribution of fibres

Eik, Marika; Puttonen, Jari; **Herrmann, Heiko** Composite structures 2015 / p. 324-336 : ill

<https://doi.org/10.1016/j.compstruct.2014.11.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A case study on the spatial variability of strength in a SFRSCC slab and its correlation with fibre orientation

Kartofelev, Dmitri; **Goidyk, Oksana**; **Herrmann, Heiko** Proceedings of the Estonian Academy of Sciences 2020 / p. 298-310 : ill

<https://doi.org/10.3176/proc.2020.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of fibre orientation in self-compacting concrete on 4-point bending strength

Herrmann, Heiko; **Goidyk, Oksana**; **Naar, Hendrik**; **Tuisk, Tanel**; **Braunbrück, Andres** Proceedings of the Estonian Academy of Sciences 2019 / p. 337-346 : ill

http://www.kirj.ee/32397/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.3.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the influence of the rheological boundary conditions on the fibre orientations in the production of steel fibre reinforced concrete elements

Herrmann, Heiko; **Lees, Aarne** Proceedings of the Estonian Academy of Sciences 2016 / p. 408-413 : ill

<https://doi.org/10.3176/proc.2016.4.08> https://artiklid.elnet.ee/record=b2808646*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Raytraced images for testing the reconstruction of fibre orientation distributions

Eik, Marika; **Herrmann, Heiko** Proceedings of the Estonian Academy of Sciences 2012 / p. 128-136 : ill

Short fibre reinforced cementitious composites and ceramics

2019 <https://doi.org/10.1007/978-3-030-00868-0>

Tensor series expansion of a spherical function for the use in constitutive theory of materials containing orientable particles

Herrmann, Heiko; **Beddig, Miriam** Proceedings of the Estonian Academy of Sciences 2018 / p. 73-92 : ill

<https://doi.org/10.3176/proc.2018.1.04> http://www.est.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)