Andrzej CWIRZEN

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Professor Andrzej Cwirzen obtained his Master degree in civil engineering from Silesian University of Technology in Poland in 1998, PhD in Civil Engineering with specialization in concrete technology from Helsinki University of Technology - Finland in 2004 and full professorship in 2014. Prof. Cwirzen worked both in academia and in the construction industry. Presently, Prof. Cwirzen is the head of the Division of Building Materials at Luleå University in Sweden. The division is one of the leaders in research focusing on ecological and smart building materials. The main areas of interest are nanotechnology, ecological building materials – especially concrete, technological aspects, prefabrication, long-term performance and durability. Prof. Cwirzen is an active member in several international professional organizations including for example RILEM, ACI and TRB. Has over 70 scientific journal and conference publications with the Scopus H-index of 14 (as for the year 2018), two patents.

Selected papers

- Humad, A.M., Provis, J.L., Cwirzen, A., Alkali activation of a high MgO GGBS - Fresh and hardened properties, 2018, Magazine of Concrete Research, 70(24), pp. 1256-1264
- Tole, I., Habermehl-Cwirzen, K., Rajczakowska, M., Cwirzen, A., Activation of a raw clay by mechanochemical process-effects of various parameters on the process efficiency and cementitious properties, 2018, Materials, 11(10),1860
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- Matsakas, L., Karnaouri, A., Cwirzen, A., Rova, U., Christakopoulos, P., Formation of lignin nanoparticles by combining organosolv pretreatment of birch biomass and homogenization processes, 2018, Molecules, 23(7)
- Orosz, K., Hedlund, H., Cwirzen, A., ffects of variable curing temperatures on autogenous deformation of blended cement concretes, 2017, Construction and Building Materials, 149, pp. 474-480
- Žirgulis, G., Švec, O., Geiker, M.R., Cwirzen, A., Kanstad, T., Variation in fibre volume and orientation in walls: experimental and numerical investigations, 2016, Structural Concrete, 17(4), pp. 576-587
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