FineFuture

NOVEMBER 2019 #3

FINE FUTURE PRESENTED AT THE ICHEME WEBINAR

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Froth flotation is the largest tonnage separation operation in the world and a key mineral processing technique. While flotation is conceptually simple (it makes use of surface properties to separate valuable minerals from gangue), the multiphase, multiscale sub-processes involved are not fully understood. This webinar explored how a fundamental understanding of flotation physics can be exploited to enhance flotation performance. In particular, the webinar discussed the challenges associated to studying flotation at different scales, from bubble-particle interactions to froth stability in tanks that are hundreds of cubic meters in size. A range of experimental and modelling techniques to study flotation pulp and froth phase phenomena, from bench to industrial scale, will also be presented.

Dr Pablo Brito-Parada from the Imperial College London delivered a presentation for IChemE's Mining and Minerals Special Interest Group, in which he discussed the challenges of froth flotation across scales, from bubble-particle interactions to froth stability in tanks that are 100's of m3 in size. Fine particle flotation challenges and FineFuture's objectives and activities were also featured as an illustration of research and industry cooperations. Around 100 people attended the webinar.

If you want to know more about the event please visit:

FINE FUTURE PARTNERS:

COORDINATE BY: HZDR

PARTNERS:

BASF, eramet, KGHM Polska Miedź, Grecian Magnesite, MAGNA Magnesitas Navarras, IMA Europe, Aristotle University of Thessaloniki, Imperial College London, Université de Lorraine, İTÜ Global İTÜ, Maelgwyn Mineral Services, Politecnico Milano 1863, Instytut Metali Nieżelaznych Gliwice, 1888

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