Special Issue

Physical and Numerical Modeling of Process Metallurgy

Message from the Guest Editor

Over the last few decades, physical and numerical modeling has proven to be an important part in understanding some of the phenomena in the harsh, high-temperature environment associated with process metallurgy. There are still many issues remaining that have not yet been answered. In general, the development of Computational Fluid Dynamics allows for very accurate predictions of single phase flows. Unfortunately, most–if not all–of the processes associated with metal production are multi-phase. Furthermore, there are huge variations in time and spatial scales and the high temperature reactions constantly change the physical properties of the phases under consideration. With ever increasing economic and environmental demands on the production and simultaneously decreasing costs of computational resources, the part numerical modeling can play seems stronger than ever. On this note, I hereby invite you to submit your papers on physical and numerical modeling in process metallurgy. Best Regards

Guest Editor

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