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RDM within CRC/TR 287 BULK-REACTION

Thursday 17 October 2024 11:00 (1 hour)

Research in engineering science is characterised by inter- and multi-disciplinarity. This leads to a strong heterogeneity of resulting research data, in particular when experimental as well as numerical investigations are performed collaboratively. The systematic and documented storage and archiving of this data are of fundamental importance. It provides the basis for the objective verification and validation required during the development of new methods (measurement as well as numerical simulation techniques) and physical models. This can take place at the time of data generation but often also later and by independent research groups.
One of the primary objectives of CRC/TR287 BULK-REACTION is the generation of advanced, fundamental knowledge on the transport and reaction phenomena in high-temperature moving and reacting granular assemblies. The establishment of a reliable and long-lasting data management infrastructure is therefore paramount for the fulfilment of its scientific goals. It is also a necessary foundation for the creation of a community-specific scientific database that provides over a long period of time reference data for the considered processes. The central objective of the embedded INF project is to generate a long-term Research Data Management process and infrastructure for BULK-REACTION. This includes providing guidance, training, solutions and support regarding procedures and software such that an effective and appropriate handling of research data will be possible.

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Session Classification: Invited