Data Modelling - The Future Of Automating

Research In Material Science

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Abstract

For more than a decade the Materials Genome Initiative (MGI) has put data at the centre of significantly accelerated materials development and deployment. The 2021 MGI Strategic Plan highlighted the need for Materials Innovation Infrastructure and community sharing of data to fuel machine learning and other data-intensive approaches to revolutionize materials research. the fundamental goal of my project has been developing methods and instantiations of the graphical data model (GEMD) used in PARADIM to fully capture materials synthesis and characterization details that will provide a full picture of the entire materials discovery process. Such data model details will provide details, including both

Procedure



Getting the fine details - that which is computationally recoded and that which is



I would also like to thank the HEMI team.

We acknowledge and thank the National Science Foundation for support through awards OAC-2129051 and DMR-2039380.





