

MSE 2024

24 - 26 Sep 2024 (Darmstadt)

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Topic D: Digital Transformation

D02: Digital Transformation in Everyday Laboratory Life

While digitalization in Material Science and Engineering promises to open up new horizons in this research field, the challenges to introduce digital tools in everyday laboratory life have to be addressed alike. The introduction of electronic-lab-books for example do not only need a common understanding of how to structure and handle data according to the FAIR (findable, accessible, interoperable, reusable) principles, but also a user friendly design of the digital infrastructure. Moreover, one of the cornerstones of a successful digital transformation of laboratory life is to get the analysis and test equipment suppliers on board. And finally, educational measures for scientists and lab technicians have to be established. Best practice examples as well as introductory overviews of single solutions shall be presented in this symposium, bringing together the key enablers of everyday laboratory life, be they data stewards, or lab officers or providers of experimental equipment.

Symposium Organizer



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