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SEIT 1386

# 3rd Workshop on Topological Methods in Data Analysis

Synergies between TDA and Machine Learning

Heidelberg University,  
primarily taking place online

28<sup>th</sup> to 30<sup>th</sup> of September, 2022

Registration: [https://docs.google.com/forms/d/e/1FAIpQLSehfn-UtyqU\\_bd971vhakUDwbFz24Opgxs1dXIIAvjNZ8l9Jg/viewform](https://docs.google.com/forms/d/e/1FAIpQLSehfn-UtyqU_bd971vhakUDwbFz24Opgxs1dXIIAvjNZ8l9Jg/viewform)

Zoom links will be provided subsequently



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Topological data analysis (TDA) is a rapidly growing field of applied mathematics, that promises an exciting approach to the analysis of highly complex systems.

This three-day workshop includes introductions into the powerful data analysis machinery of persistent homology and to machine learning techniques. A particular focus is laid on synergies between TDA and machine learning, where fruitful applications have been recently emerging. In addition, participants will have the opportunity to give short presentations on their own TDA-related work.

While primarily taking place online, opportunities for on-site get-together sessions in Heidelberg will be included.

Tutorial sessions by  
Bastian Rieck (Helmholtz Zentrum München)

More information including a tentative schedule:  
<https://tda.mathi.uni-heidelberg.de/>

Organizational Committee consisting of  
Lukas Hahn, Maximilian Schmahl, Daniel Spitz, Anna Wienhard

Registration: [https://docs.google.com/forms/d/e/1FAIpQLSehfn-UtyqU\\_bd971vhakUDwbFz24Opgxs1dXIIAvjNZ8l9Jg/viewform](https://docs.google.com/forms/d/e/1FAIpQLSehfn-UtyqU_bd971vhakUDwbFz24Opgxs1dXIIAvjNZ8l9Jg/viewform)

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