4th Workshop on Topological Methods in Data Analysis

Synergies between TDA and Life Sciences

Workshop sessions by PD Dr. Andreas Ott, KIT
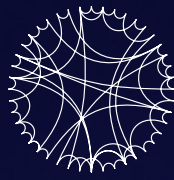Colloquium talk by Prof. Dr. Kathryn Hess Bellwald, EPFL

Heidelberg University
(Hybrid format)

19 - 21 September 2023

Registration for the workshop is **open**. Please register <u>here</u>.

Registration deadline with **lightning talk** application: **11 September**

Registration deadline with **participation** only: **15 September**

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

This three-day workshop on applications of TDA to life sciences comprises introductions to the powerful data analysis machinery of persistent homology and to relevant biological backgrounds. A number of fruitful studies using TDA to tackle questions provided by life sciences will serve as highlighted examples to enter this rapidly evolving field of research. In addition, participants will have the opportunity to give a short presentation of their own TDA-related work in accordance with the focus of the workshop.

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

Tutorial sessions by PD Dr. Andreas Ott (KIT)
Colloquium talk by Prof. Dr. Kathryn Hess Bellwald (EPFL)

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

Organisational committee consisting of:
Freya Jensen, Viktoria Noel, Daniel Spitz

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