

## FMf12023 Program

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Title	<b>Persistent homology from viewpoints of representation, probability, and application</b>
Abstract	<p>Topological data analysis (TDA) has emerged in this century and shed new light on data science. A particularly important tool in TDA is persistent homology, which can provide useful information about “shape of data” in a multi-scale way. Much of the development of theoretical research on persistent homology has been motivated by applications. This talk will survey the progress of persistent homology from the perspective of both mathematical and applied research.</p>