

UNIVERSITY OF CALIFORNIA, BERKELEY

Major Research Presentation

Parallel

by

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For the Ph.D. degree in Computer Science

The emerging field of Topological Data Analysis (TDA) and its application in homology. The power of TDA lies in its multiscaling nature, which is robust in the presence of noise. This dissertation contributes to the field of TDA in three ways: 1) the development of a new algorithm for computing persistent homology, 2) the ongoing work on persistent pairing and its applications and 3) future research directions.

April 23, 2018

11:30AM - 12:30PM

ENR 227

THE PUBLIC IS INVITED

Examining Committee

Chair

Les

Yi Ma, Ph.D.

Zhucun, Ph.D.

Dmytro Savitskiy, Ph.D.

Major Professor
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