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**Computation, Metrics and Topology for Data Analysis**  
**Frederic Chazal - COMET**

The general goal of the CoMeT project is on the design of new mathematical and computational methods for the analysis of

topological and geometric structure of data as well as the analysis and understanding of large geometric data sets.

Our aim is to develop efficient algorithms to extract structural information from such data, and down the road to get a higher level

informative understanding of the spaces it originates from. My talk will illustrate our approach by presenting a few results we obtained in computational topology and in the analysis of 3D shapes networks.

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