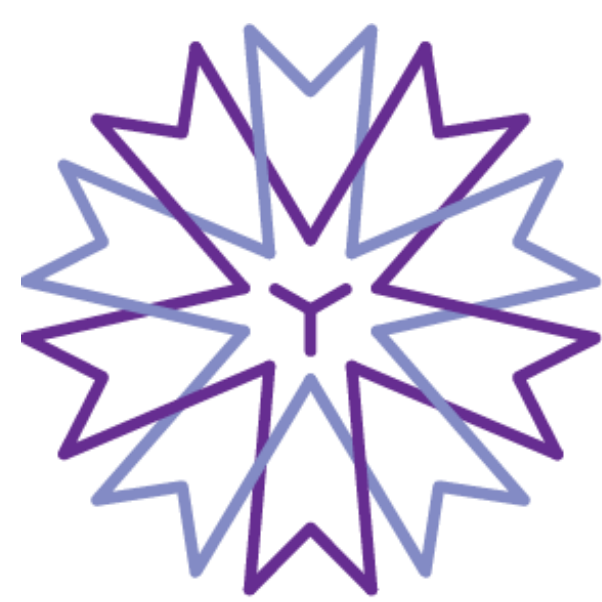


中国科学院数学与系统科学研究院  
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北京雁栖湖  
应用数学研究院  
YANQI LAKE BEIJING INSTITUTE OF  
MATHEMATICAL SCIENCES AND APPLICATIONS

# Geometry & Topology of Data

Data sets are often equipped with distances between data points, and thereby constitute a discrete metric space. We develop general notions of curvature that capture local and global properties of such spaces and relate them to topological concepts such as hyperconvexity. This also leads to a new interpretation of TDA.

**MAR 10 2022**

**Thursday**

**17:00 GMT+8, Beijing**

**10:00 GMT+1, Berlin**

**ZOOM: 388 528 9728**

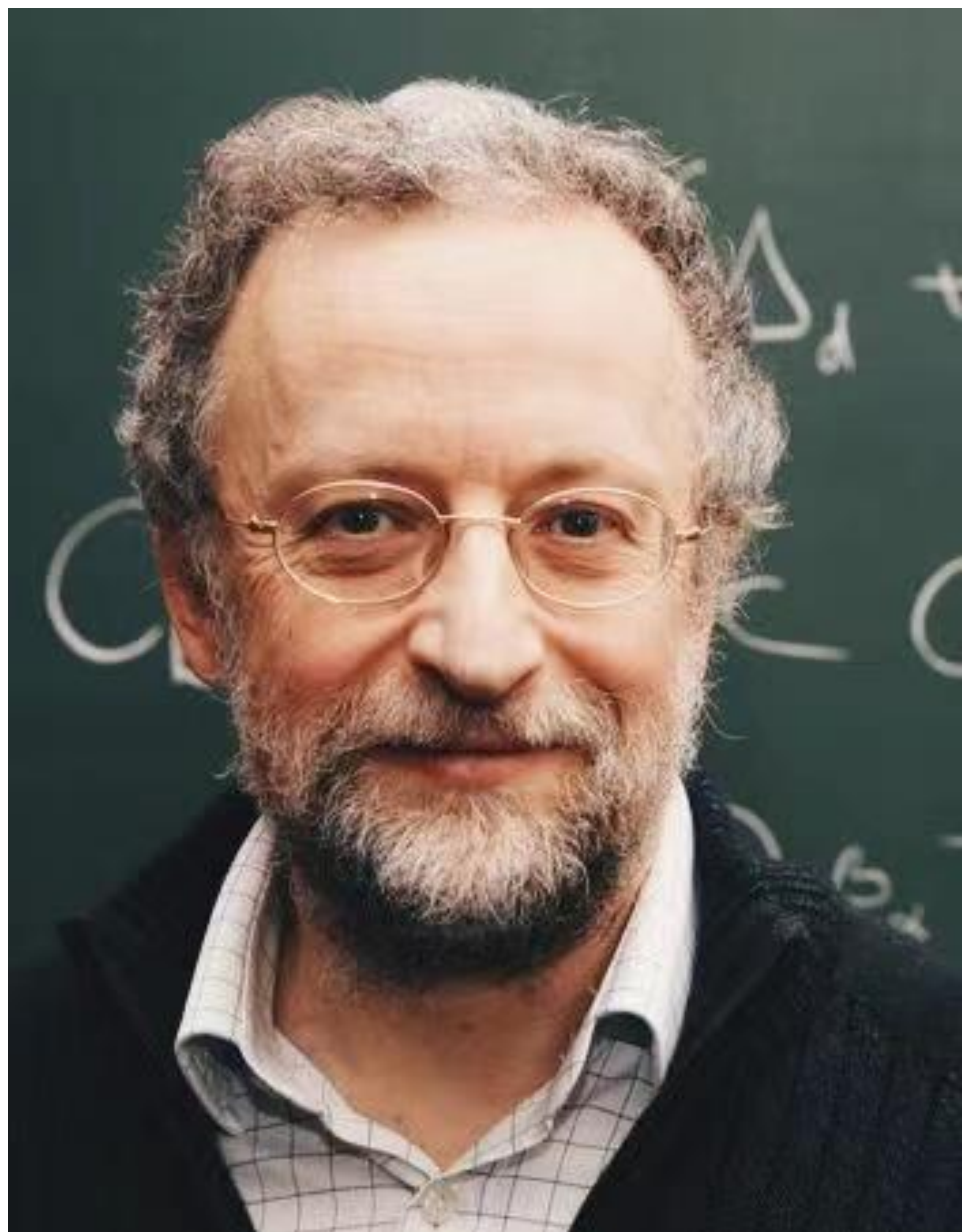
**PW: BIMSA**

AMSS-YMSC-BIMSA

Joint Seminar on  
Progress of Topology  
and Its Applications



<http://www.bimsa.cn/newsinfo/624195.html>



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Born on June 9, 1956 in Münster. Study of mathematics, physics, economics and philosophy at Bonn Univ. (1975-1980), PhD in Mathematics (1980), Professor Ruhr Univ. Bochum (1984-1996), Director and Scientific Member at the Max Planck Institute for Mathematics in the Sciences (since 1996), Honorary Professor at Leipzig Univ. (1998), External Member Santa Fe Institute for the Sciences of Complexity, New Mexico, USA. Member of the German National Academy of Sciences Leopoldina, Academy of Sciences and Literature at Mainz, Saxonian Academy of Sciences. Gottfried-Wilhelm-Leibniz Award of the DFG (1993), ERC Advanced Grant (2010).