Tuesday, September 30:

Venue: Knez Mihailova 36, MISANU, 1st Floor, Room 102

9:00 – 9:45 Paweł Dłotko (Institute of Mathematics PAN)

Title: "*Geometries That Mapper: Topology in Data and Materials*"

10:00 – 10:30 Joseph Gordon (University of Groningen)

Title: "*Vertex degrees in β- and β'-Delaunay graphs*"

10:30 – 11:00 Coffee break

11:00 – 11:45 Vladimir Dragović (University of Dallas & MI SASA)

Title: "*The finite groups of random walks in the quarter plane*"

12:00 – 12:30 Nevena Marić (Union University)

Title: "*An Explicit Formula for Vertex Enumeration in the CUT(n) Polytope via Probabilistic Methods*"

13:00 – 15:00 Lunch

15:00 – 15:45 Dejan Govc (University of Ljubljana)

Title: "*Fundamental groups of small simplicial complexes*"

16:00 – 16:45 Vlada Limić (University of Strasbourg)

Title: "*LLN for the bigraded Betti numbers of the random moment-angle complex*"

16:45 – 17:15 Coffee break

17:15 – 18:00 Herbert Edelsbrunner (Institute of Science and Technology)

Title: "*The expected length of a Euclidean minimum spanning tree and the expected 1-norms of chromatic persistence diagrams*"

18:00 – 20:00 Open problems session