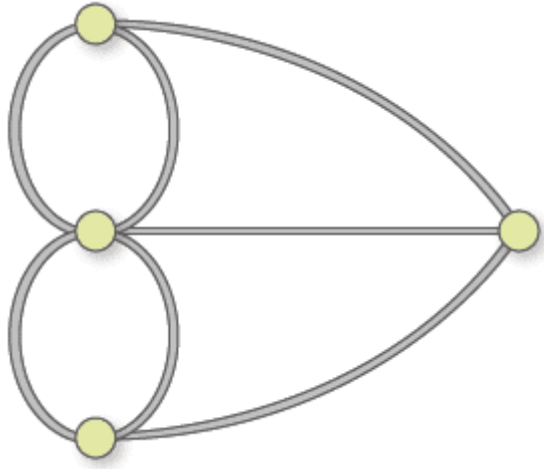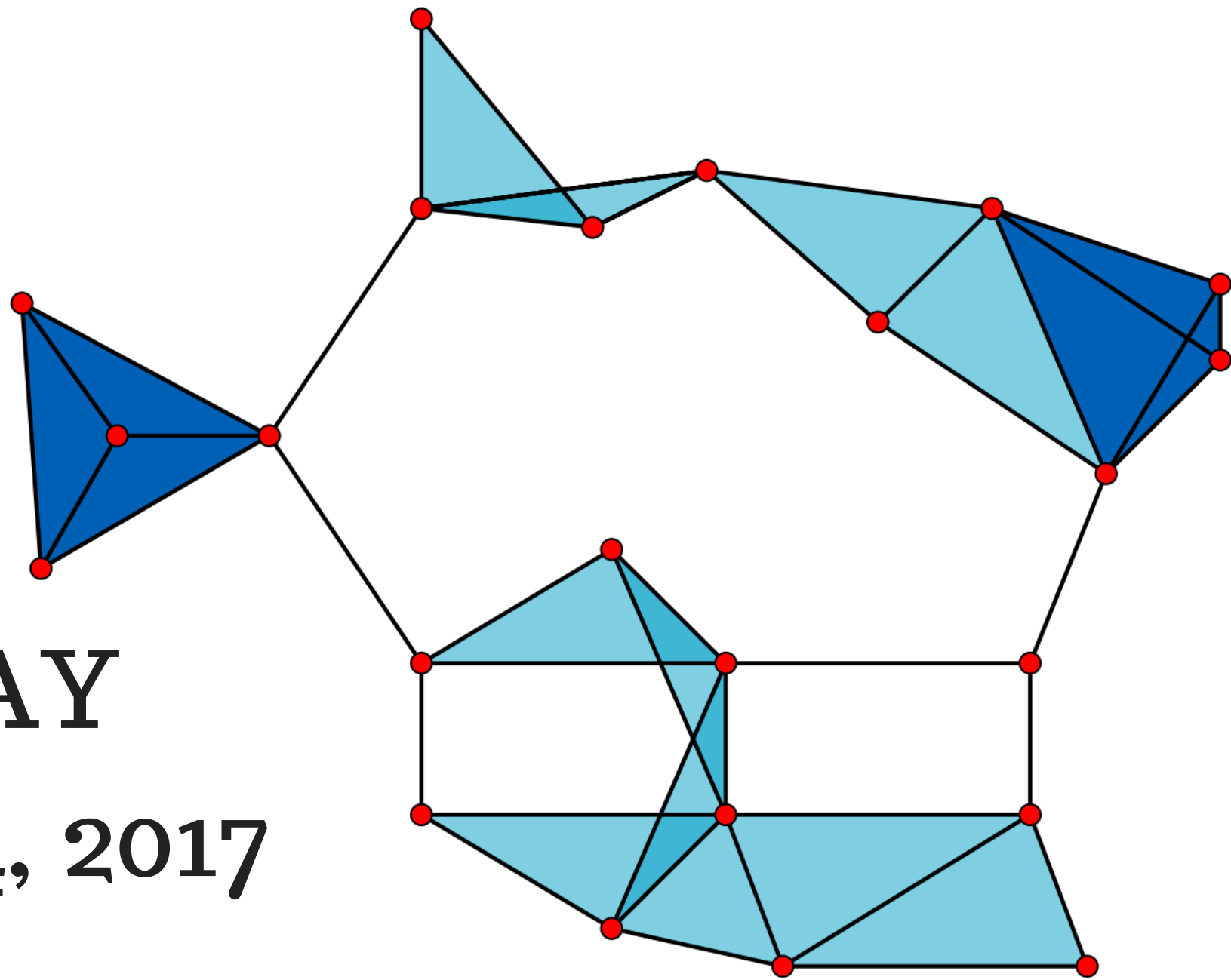# GRAPHS WITH GALLAI'S PROPERTY

Ayesha Shabbir

2PM TUESDAY OCTOBER 24, 2017

In 1966 T. Gallai asked the question: do all the longest paths in a graph meet? Soon afterwards, Walther presented a counter example, a planar graph with twenty five vertices. In last fifty years many variants of this problem have appeared and some of them received positive answers but still a sufficient number of unsolved problems exist. In this talk I will present a brief history of Gallai's and related problems and and some possible ways to solve these problems.

ABDUS SALAM SCHOOL OF MATHEMATICAL SCIENCES, G. C. UNIVERSITY, LAHORE, PAKISTAN