

Graphs associated with groups: advances and applications Special Session A7

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This special session aims to bring together mathematicians interested in exploring the synergy between graphs and group theory. Graph theory and group theory are two fundamental branches of mathematics with a wide range of applications in various fields. In particular, the situation becomes quite interesting when working in the intersection of these two areas, where a variety of ideas belonging to the first theory can be applied to the other. In recent years, the application of graphs to the study of groups and their properties has gained significant attention, as documented by several inspiring papers in literature. The session will provide a platform to discuss recent developments, share research findings, and foster collaboration in this exciting interdisciplinary field. In fact we seek to promote the exchange of ideas, techniques, and applications of graph theory in the context of group theory by facilitating discussions on recent advancements, open problems and potential directions for future research. Participants will gain insights into how graph theory can be used to solve problems in group theory and vice versa.

For more information visit <https://sites.google.com/unisa.it/umi-ams-a7/home>.