

# Boğaziçi MATH COLLOQUIUM

## Exceptional Geometry and String Compactifications

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**Abstract:**

Generalised and exceptional geometry have emerged over recent years as underlying structures and powerful tools in string theory and supergravity. They give a new twist to Kaluza's old idea of geometrising gauge interactions by the introduction of additional spatial dimensions. The extended nature of the fundamental objects gives rise to a natural 'stringy' generalisation of Riemannian geometry which is based on the exceptional duality groups appearing in string/M-theory. This has led to remarkable progress in the study of string and gravity compactifications.

**Date :** Thursday, June 8, 2023

**Time:** 11:00

**Place:** TB 130, Boğaziçi University