



ÇANKAYA UNIVERSITY  
FACULTY OF ARTS AND SCIENCES  
DEPARTMENT OF MATHEMATICS

# SEMINAR

## Calibrated Geometries

**SPEAKER** : Assist. Prof. Dr. İbrahim Ünal

**DATE** : 16 November, 2018

**TIME** : 15:30

**PLACE** : Çankaya University (Central Campus), R-213

**Abstract:** Calibrated geometries are the geometries of distinguished submanifolds determined by a fixed, closed differential form  $\phi$  on a Riemannian manifold  $M$ . They have attracted particular attention in recent years and have become a very active research area due to their strong relations with gauge theories in higher dimensions, mirror symmetry and modern string theory in Physics.

In this talk, I will make an introduction to calibrated manifolds, and give the most well-known examples coming from special holonomy.

All interested are cordially invited.

**ADDRESS** : Eskişehir Yolu 29.km, 06810, Etimesgut/ANKARA