



İSTANBUL TEKNİK ÜNİVERSİTESİ
MATEMATİK MÜHENDİSLİĞİ
BÖLÜM SEMİNERİ

Doç. Dr. Songül Esin

Konuşmanın Başlığı: Prime Ideals and Their Intersection in Leavitt Path Algebras

Konuşmanın Özeti: For a field K , Leavitt path algebras $L_K(E)$ over a directed graph E are the natural generalization of the algebras investigated by Leavitt in [1962, The module type of a ring]. Leavitt path algebras have been introduced by Gene Abrams and Gonzalo Aranda Pino in [2005, The Leavitt path algebra of a graph] and independently by Ara, Moreno, Pardo in [2007, Non-stable K -theory of Graph algebras] as algebraic analogues of a graph C^* -algebras. Results for graph C^* -algebras have guided the investigation of Leavitt path algebras. A version of Cuntz-Krieger uniqueness theorem is proved by Mark Tomforde in [2007, Uniqueness theorem and ideal structure for Leavitt path algebras].

In this talk, I will briefly give the required definitions in the theory of Leavitt path algebras and describe graded versus non-graded prime ideals of Leavitt path algebras. Main scope of this talk is to describe when a two-sided ideal of $L_K(E)$ is an intersection of primitive/prime ideals in $L_K(E)$.

[This is joint work with Müge Kanuni and Kulamani M. Rangaswamy]

Tarih: 16 Aralık 2016 Cuma

İkram: 14.30-15.00

Seminer: 15:00-16.00

Yer: Matematik Mühendisliği B1-226

İletişim: ercelikel@itu.edu.tr