東京理科大学

特異点・トポロジーセミナーのお知らせ

　　以下の予定で，特異点・トポロジーセミナーを開催いたします．若手研究者の積極的な参加を歓迎いたします．奮ってご参加ください．

講師 ： **Bedia Akyar** 氏（イズミール大学，トルコ）

日時 ： **2015 年 1 月 23 日（金），16:30〜17:30**

部屋 ： **神楽坂キャンパス，7 号館 5 階，751 セミナー室**

題目 ： **Some operations on trees with their simplicial properties**

アブストラクト

　　In this talk, I will talk about the category of trees and the operad structure on planar rooted trees. This category is a generalization of the simplicial category used to define simplicial sets. I will mainly investigate planar binary trees with their simplicial properties. Because of their combinatorial properties, it is an advantage to work with the set of planar binary trees to see their role in a new homology theory related to dialgebras.

　　The main aim of this talk is to decompose the set of trees into classes by using the orientation of their leaves. This decomposition yields a chain bicomplex whose total chain complex is that of binary trees.

　　I will also talk about towers which come from further decomposition of this bicomplex. It turns out that these towers are in bijection with the planar binary trees.

　　This is a joint work with S. Kaan Gurbuzer.

　　　　　　　　　　　　世話人：廣瀬 進（理工学部数学科）
　　　　　　　　　　　　　　　　佐藤 隆夫（理学部第二部数学科）