

Séminaire d'Algèbre, Topologie et Géométrie  
Jeudi 17 juin à 13h40  
Salle II

Wiesław Pawłucki

Cracovie

**Titre :** *Triangulation with Whitney Conditions*  
(after Małgorzata Czapla)

**Abstract :** In 60' Thom and Lojasiewicz asked if it is possible to combine the triangulation theorem with the Whitney stratification theorem to get a triangulation of a semi-algebraic (or subanalytic) set which is at the same time a Whitney stratification. It is only in 2005 that Shiota proposed a solution. However his construction is difficult to understand in detail. Recently, my student, Małgorzata Czapla, has given a brilliant solution to this problem based on the theory of weakly Lipschitz mappings and on a theorem of Guillaume Valette. In this talk I am going to present her ideas.