

# Projection Methods in Feasibility

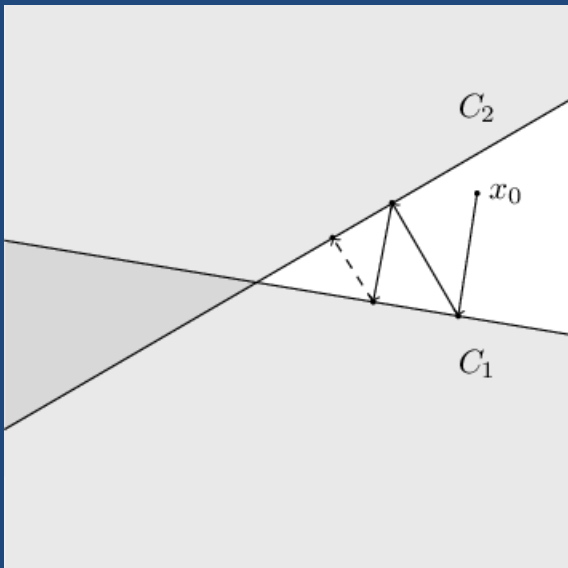
*AIANI - Guest Lecture by*

**Dr. Rafal Zalas**

**TECHNION - Israel Institute of Technology  
Department of Mathematics**

**Tuesday, December 5, 2017,  
17:15 pm**

**Technical Campus  
HSB2 (Civil Engineering- Building)  
Technikerstraße 13b, Innsbruck**



In this talk we consider a convex feasibility problem which consists in finding a common point in a given family of closed and convex sets. We focus on convergence properties of a certain class of algorithms which are known as projection methods. We will discuss several aspects such as: type of convergence, stability and acceleration. This talk will have an overview form, where some of the results come from joint works with Christian Bargetz (University of Innsbruck, Austria), Andrzej Cegielski (University of Zielona Gora, Poland) and Simeon Reich (Technion, Israel).



Dr. Rafal Zalas is a post-doctoral fellow in mathematics at the Technion - Israel Institute of Technology, which is located in Haifa, Israel. He is a co-author of several scientific articles. His research interests concern the general theory of fixed point algorithms and, in particular, projection methods.