Technion – Israel Institute of Technology and the
Faculty of Mathematics

invites you to a

Distinguished Lecture that will be given by the 2017
Wolf Prize Laureate

Professor Charles Fefferman

Princeton University

Thursday, June 8, 2017, 12:30

Auditorium 232, Amado Mathematics Building, Technion

Title: A Sharp Finiteness Theorem for Lipschitz Selection

Abstract: Suppose that for each point x of a metric space X we are given a compact convex set $K(x)$ in $\mathbb{R}^D$. A "Lipschitz selection" for the family $\{K(x) : x \in X\}$ is a Lipschitz map $F: X \to \mathbb{R}^D$ such that $F(x)$ belongs to $K(x)$ for each x in X. The talk explains how one can decide whether a Lipschitz selection exists. The result is joint work with P. Shvartsman.

Light refreshments will be given before the talk in the lounge of the Faculty of Mathematics
on the 8th floor.