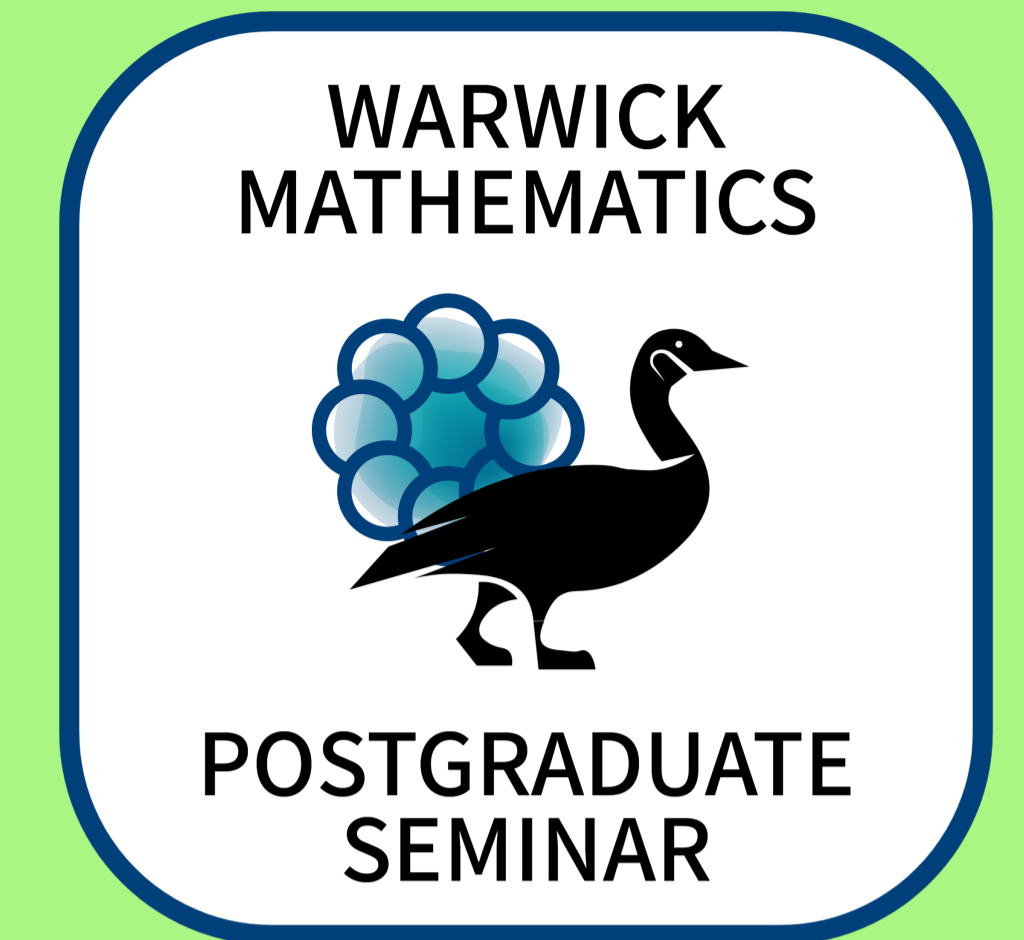


# Modelling the behaviour of materials, specifically metal sheets

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Week 9 - Term 3



## Abstract

Metal sheets are everywhere around us, and due to their versatility, we can find them in the architecture of buildings, manufacturing of transportation and in decorative art. In this talk we will look into the mathematics behind the bending of sheets.

We will zoom in on the physical mechanics of elastic deformation and the difficulties of mathematically modelling the reshaping of the sheets by means of two practical examples.

### Time

12 pm, 21<sup>st</sup>  
June 2023

### Location

Room B3.02

### Organisers

Alvaro Gonzalez Hernandez  
Katerina Santicola