# UNIVERSITY OF SYDNEY

## SCHOOL OF MATHEMATICS AND STATISTICS

Statistics Seminar

Friday, 24 November, 2.00pm

Carslaw 173

# Geometric problems concernant the convex hull of $n$ points chosen at random

## Professor Richard Cowan

### Abstract

These problems, which have been researched over a period of about 130 years, are fundamental to the theory of geometric probability, with classical contributions from Sylvester, Crofton, Blaschke, Deltheil, Rényi & Sulanke, Effron and Miles.

The speaker will present the history of this body of work. He will also discuss recent progress, including the important work of Buchta and two new theorems from his own research.

Enquiries about the Statistics Seminar should be directed to
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