1161-52-159 **Han Huang**, **Boaz A Slomka**, **Tomasz Tkocz** and **Beatrice-Helen Vritsiou***, University of Alberta, Dpt. of Mathematical and Statistical Sciences, Edmonton, Alberta T6G 2G1, Canada.
On Hadwiger's covering conjecture.

A central problem in Discrete Geometry, Hadwiger's covering conjecture, asks to find the smallest integer $N(n)$ with the property that every convex body in $\mathbb{R}^n$ can be covered by at most $N(n)$ translates of its interior.

We will discuss connections with Asymptotic Convex Geometry and measure concentration, as well as with entropic methods, that allow for at least a subexponential improvement to the long-standing general upper bounds of Rogers for $N(n)$. (Received August 16, 2020)