In this series of lectures we will:
    - discuss the background from Kolmogorov’s K41 theory and Onsager’s conjecture,
    - give a complete proof of the construction of continuous weak solutions of Euler, drawing the parallels with the Nash construction of $C^1$ isometric embeddings,
    - discuss how to modify the approach to achieve $C^{0,\alpha}$ solutions with (a) $\alpha < 1/10$ and (b) $\alpha < 1/5$.

The course can be followed independently of C. De Lellis’s lectures.