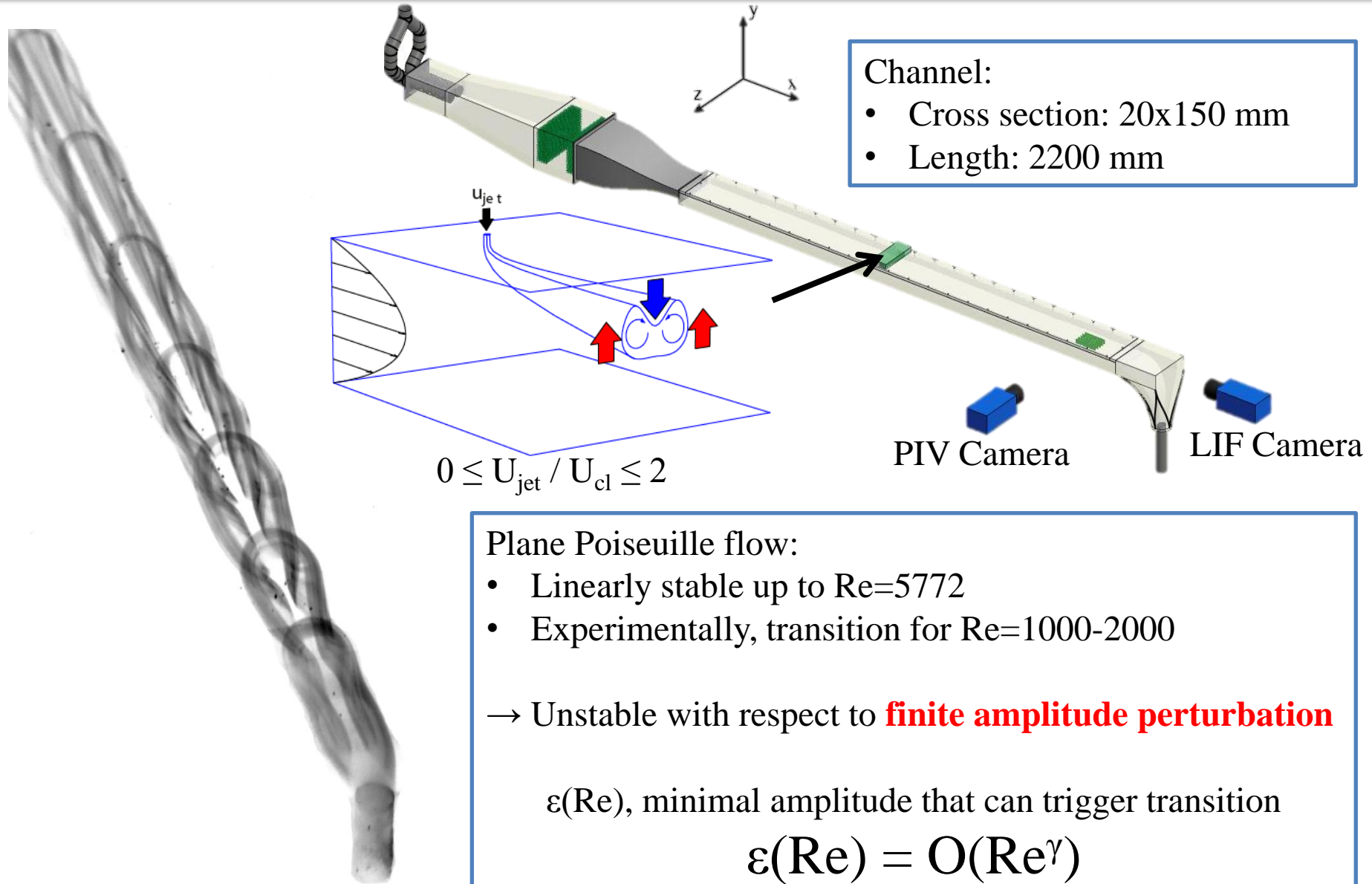
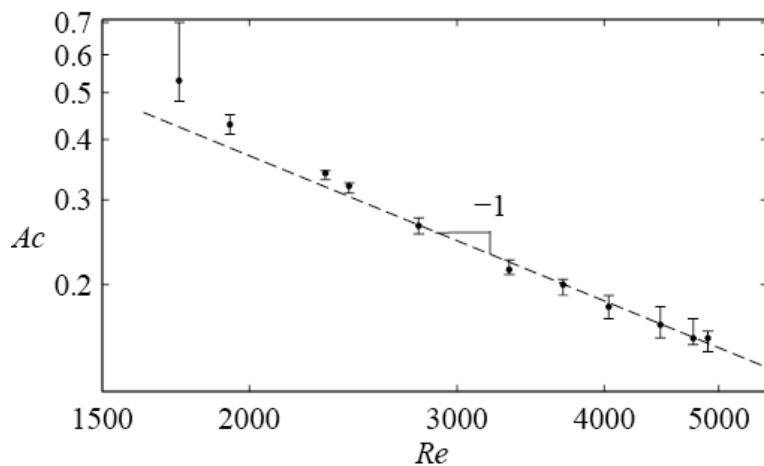
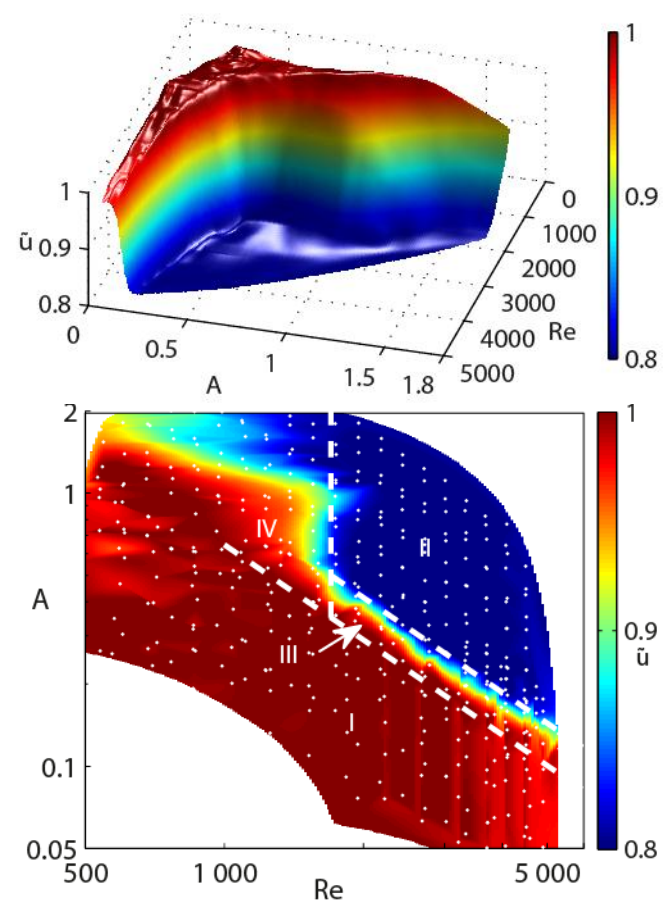
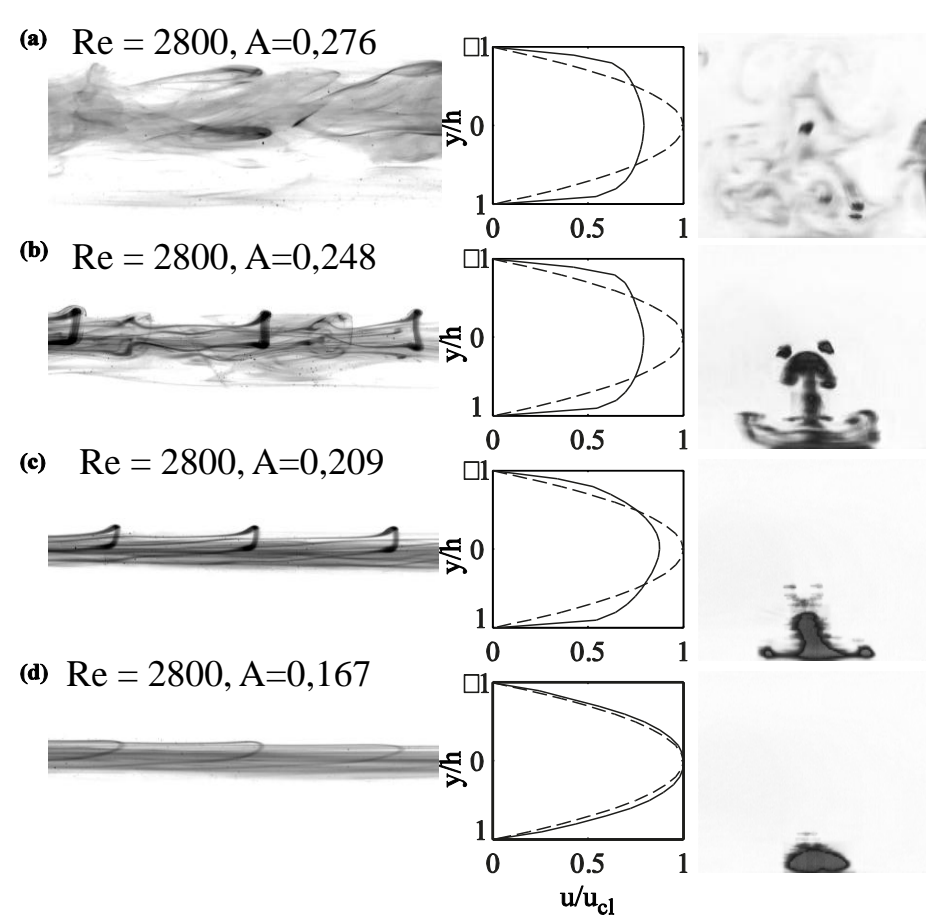


# Sub-critical Scaling Law for the Onset of Turbulence in Plane Poiseuille flow





Power law for the onset of turbulence :

$$\varepsilon = O(Re^\gamma), \gamma \approx -1$$

Good agreement with the idea of a self sustain process (F. Waleffe and J. Wang)