

## 2016 Jacques Solvay International Chair in Physics Inaugural Lecture

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# Fluid viscosity: from Maxwell to black holes

There has been tremendous progress in recent years in our understanding of the behavior of matter in extreme conditions - at very high and very low temperatures. Unexpectedly, physicists have found that some techniques originating from string theory are very useful and gives information about the viscosity of strongly interacting liquids that cannot be obtained by other methods. We trace the history of the notion of viscosity from Maxwell to modern days, and elucidate the relationship between the viscosity and the behavior of black hole horizons.

**Tuesday 4 October 2016 at 4.00 P.M.**

COFFEE AND TEA WILL BE SERVED AT 3.45 P.M. IN FRONT OF THE SOLVAY ROOM  
FOLLOWED BY DRINKS AT 5.00 P.M. AFTER THE LECTURE

**SOLVAY ROOM**  
BUILDING N.O. - 5TH FLOOR  
UNIVERSITÉ LIBRE DE BRUXELLES  
CAMPUS PLAINE - BOULEVARD DU TRIOMPHE