



ESPCI
Laboratoire PMMH
10 rue Vauquelin, 75231 Paris Cedex 05



Séminaire PMMH

Bureau d'Études, Bâtiment L, 2^{ème} étage

Vendredi 3 octobre 2014, 11h00-12h00

Henrik Bruus

DTU, Denmark

Theoretical aspects of acoustofluidics : Streaming, radiation forces, and thermoviscous effects

Inspired by the current increase in applications of acoustophoresis in biochip systems, my research group has conducted several theoretical and numerical studies of the basic physics of acoustofluidics including streaming, radiation forces, and thermoviscous effects. At the seminar an overview of our results will be given with special attention on the acoustic interaction forces and the role of thermoviscous boundary layers in streaming and radiation forces. All our preprints and reprints are available for download at my group website www.fysik.dtu.dk/microfluidics under peer-reviewed papers.

Attention : pas de séminaire le Vendredi 10 octobre (fête de la science)

Prochain séminaire : Vendredi 17 octobre, 11h00-12h00, Arnaud Antkowiak (Institut d'Alembert, UPMC)

Programme des séminaires : www.pmmh.espci.fr, onglet *Séminaires PMMH*

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