

# **$L^p$ -Theory of the Navier-Stokes Equations in the Rotational Framework**

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In this talk we investigate the equations of Navier-Stokes with additional Coriolis, centrifugal and Ekman terms. We analyze properties of the associated semigroups on  $L^p_\sigma$ -spaces and discuss also stability questions for the corresponding Navier-Stokes flow.