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**Susan Friedlander\*** ([susan@math.uic.edu](mailto:susan@math.uic.edu)). *Energy balance for the fluid equations.*

We discuss recent results concerning function spaces for which energy and helicity are conserved for weak solutions of the Euler equations and the energy balance condition holds for solutions of the Navier-Stokes equations.

This is joint work with Alexey Cheskidov, Peter Constantin and Roman Shvydkoy. (Received February 05, 2008)