## Global $L_p$ boundedness of Fourier integral operators

## Michael Ruzhansky

Department of Mathematics, Imperial College London 180 Queen's Gate, SW7 2AZ, London UK

m.ruzhansky@imperial.ac.uk

## **Abstract**:

In this talk we will give a review of local and global boundedness of Fourier integral operators with real and complex phases in Sobolev  $L_p$  spaces, as well as more recent joint results with Sandro Coriasco (Torino) on their global boundedness in  $L_p$ .