

## HARMONIC ANALYSIS AND PARTIAL DIFFERENTIAL EQUATIONS

*Organizers:*

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*Aims:* The session will focus on the interplay between harmonic analysis and the theory of partial differential equations, highlight recent advances and bring together experts in both fields. Topics covered in the session will be sharp constants in variational inequalities, relations to solvability/stability of (non-linear) partial differential equations, dispersive properties and scattering of equations mathematical physics, symmetry based concepts, aspects of harmonic analysis on Lie groups and related operator quantisations.