

QUATERNIONIC AND CLIFFORD ANALYSIS

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Aims: Quaternionic and Clifford analysis are higher dimensional analogues of complex analysis and represent a function theory in \mathbb{R}^n . In the last years quaternionic and Clifford analysis spread into several different directions such as continuous and discrete theory, hermitian Clifford analysis, higher spin operators, slice monogenic functions as well as new applications to various fields. This session aims to present recent advances in the field of continuous and Clifford analysis as well as its applications in numerical analysis of PDE's, signal and image processing, operator theory, and physics to a broad audience.