

Speaker: Regina Almeida (UTAD)

**Title:** Growth analysis of (poly)monogenic functions

**Abstract:** An overview of established results on the growth of monogenic and polymonogenic functions in Clifford analysis will be presented. Building upon the classical Wiman-Valiron theory from complex analysis, fundamental concepts such as growth order, maximum term, and central index are extended to higher-dimensional settings. Key insights from prior work are emphasized, illustrating their applications to higher-dimensional partial differential equations and offering a deeper understanding of the asymptotic behavior of the solutions.