Devin Henson

Title of Talk: Group Divisible Designs block size 4 and with small number of groups

Abstract:
Constructing group divisible designs where the number of groups is less than the block size is a challenging problem. Recently Fu and Rogers have completed the existence problem for block size three. Very little is known for block size four except the work by Hurd and Sarvate. We will review this work and present the new result we have obtained so far including the complete results on some special GDDS, so called even, odd and mixed GDDS with block size four and three groups.