

# 5th workshop on Real and Complex Hadamard matrices and their Applications

Program for this week (July 10-14, 2017)

Monday	Tuesday	Wednesday	Thursday	Friday
08:45-9:15 <i>Registration</i>	9:00-9:20 <i>Registration</i>			
09:15-9:20 <i>Opening remarks</i>				
09:20-10:00 <b>A. Munemasa</b> A matrix approach to Yang multiplication	09:20-10:00 <b>K. Życzkowski</b> Complex Hadamards with special structure	09:20-10:00 <b>A. Bondal</b> Categorical aspects of Hadamard matrices	09:20-10:00 <b>R. Craigen</b> Synthetic Orthogonality Theory	09:20-10:00 <b>I. Wanless</b> Congruences for Latin Squares
10:05-10:30 <i>Coffee break</i>	10:05-10:30 <i>Coffee break</i>		10:05-10:30 <i>Coffee break</i>	10:05-10:30 <i>Coffee break</i>
10:30-11:10 <b>B. Schmidt</b> Weil numbers and circulant Hadamards	10:30-11:10 <b>M. Grassl</b> Small unextendible sets of MUHs	10:05-10:25 I. Zhdanovskiy Commutator of projectors and MUBs	10:30-11:10 <b>D. Crnković</b> Regular Hadamards and related codes	10:30-11:10 <b>D. Flannery</b> Quasi-orthogonal cocyclic matrices
		10:30-10:55 <i>Coffee break</i>		
11:15-11:55 <b>P. Ó Cathain</b> Morphisms of Butson matrices	11:15-11:55 <b>S. Weigert</b> Mutually unbiased product bases	10:55-11:35 <b>C. Colbourn</b> Asymptotic bounds for covering arrays	11:15-11:55 <b>J. Seberry</b> Hadamard matrices and C-G-H algebras	11:15-11:55 <b>J. Armario</b> On generalized binary sequences
12:00-14:00 <i>Lunch break</i>	12:00-14:00 <i>Lunch break</i>		12:00-14:00 <i>Lunch break</i>	12:00-14:00 <i>Lunch break</i>
14:00-14:40 <b>I. Kotsireas</b> Low Autocorrelation Binary Sequences	14:00-14:40 <b>B. R. Karlsson</b> Complex Hadamard matrices for N=6	11:40-12:20 <b>W. P. Orrick</b> On the generation of skew Hadamards	14:00-14:40 <b>K. J. Horadam</b> Codes from groups and groups from codes	14:00-14:20 R. M. Falcón Cocyclic Hadamards and latin rectangles
		12:25-12:30 <i>Group photo</i>		
14:45-15:05 S. A. Barrera Perfect sequences over the quaternions	14:45-15:05 M. Matolcsi Non-existence of certain MUB systems		14:45-15:05 I. Bailera Hadamard full propelinear codes	14:25-15:05 <b>V. Álvarez</b> Cocyclic Hadamards over groups
15:10-15:30 O. Yayla On near-Butson Hadamard matrices	15:10-15:30 D. Goyeneche Any SIC defines a complex Hadamard		15:10-15:30 M. Villanueva Permutation decoding for linear Hadamard codes	15:10-15:30 F. Gudiel Gröbner bases and cocyclic Hadamards
15:35-16:00 <i>Coffee break</i>	15:35-16:00 <i>Coffee break</i>		15:35-16:00 <i>Coffee break</i>	
16:00-16:20 R. Egan Phased unitaries and a conjecture of Ito's	16:00-16:20 M. Farkas n-fold unbiased bases		16:00-16:20 P. Lampio On the classification of Butson matrices	
16:25-16:45 T. Ikuta Butson matrices and association schemes	16:25-16:45 A. Szymusiak On the informational power of Hoggar's SIC		16:25-16:45 F. Szöllősi Open problems on Butson matrices	
	16:50-17:10 A. Szczepanek Quantum dyn. entropy and Hadamards		18:00-20:30 <i>Banquet</i>	

Talks are in the main lecture hall; coffee is served in the main hall.