WABASH
EXTRAMURAL MODERN ANALYSIS
MINICONFERENCE
September 15 and 16, 2012

Program

Times given are Eastern Daylight Time

Talks and Registration will be in the Informatics and Communications Technology Complex at IUPUI. The talks will take place in Rooms 252 and 274.

SATURDAY:

9:10	Registration, Refreshments
9:50–10:40	*KEN DAVIDSON, University of Waterloo*

Dilation theory, commutant lifting and semicrossed products

10:50–11:40 *DIETMAR BISCH, Vanderbilt University*
Subfactors with small Jones index

11:50–12:15 *WING SUET LI, Georgia Tech*
Eigenvalues of sums of Hermitian matrices and Jordan canonical forms of matrices: an intersection theory point of view

LUNCH: 12:30 at BISTRO

2:00–2:50 *ERIK GUENTNER, University of Hawaii*

A differential complex for CAT(0) cubical spaces

3:00–3:50 *HUAXIN LIN, University of Oregon*
Simple C*-algebras with generalized tracial rank one.

Contributed talks in two parallel sections:

4:00–4:20 Room 252 *JOSÉ R. CARRIÓN, Purdue University*
On groups with quasidiagonal C*-algebras

4:00–4:20 Room 274 *OZGUR MARTIN, Miami University, Oxford, Ohio*
Weighted Shifts and Disjoint Hypercyclicity

4:30–4:50 Room 252 *ALI S KAVRUK, University of Illinois at Urbana Champaign*
Quotients and Duality in Matrix Systems

4:30–4:50 Room 274 *DANIEL SIEVEWRIGHT, Western Michigan University*
Deddens Algebras for Weighted Shifts

5:00–5:20 *Room* 252   *PING ZHONG, Indiana University*
                An analogue of Kolmogorov's three series theorem for R-diagonal operators

5:00–5:20 *Room* 274   *QIANG ZENG, University of Illinois at Urbana Champaign*
                Noncommutative martingale concentration and Poincaré type inequalities

5:30–5:50 *Room* 252   *JOAN BOSA, Univ. Autonoma de Barcelona*
                Dimension functions on $C_0(X, A)$

5:30–5:50 *Room* 274   *RAPHAEL CLOUATRE, Indiana University*
                Similarity results for operators of class C_0 and the algebra $H^\infty(T)$

SUNDAY:

9:00   Refreshments
9:30–10:20   *NICA ALEXANDRU, University of Waterloo*
            Boxplus-convolution powers, in scalar-valued and operator-valued framework

10:30–11:20   *JESSE PETERSON, Vanderbilt University*
            Stabilizers of ergodic actions of lattices and commensurators

11:30–12:20   *XIAOMAN CHEN, Fudan University* Fibred coarse embedding into Hilbert space and
            its applications to higher index problems

End of Conference