AMS SECTIONAL MEETING, BATON ROUGE, MARCH 14–16, 2003

Program

Friday, March 14

1:00 - 1:10 Opening Remarks
1:10 - 2:00 Invited Address

2:15 Larry Baggett: Generalized multiresolution analysis, a new look # 984-43-85
2:45 Dorin Dutkay: Wavelet representations and the Ruelle transfer operator # 984-43-127
3:15 Manos Papadakis: Non-separable radial frame multiresolution analysis in multidimensions # 984-42-76
3:45 Marcin Bownik: Affine frames, GMRA’s, and the canonical dual # 984-42-152
4:15 Peter Massopust: Multiscale structures and Coxeter groups # 984-42-221
4:45 Palle Jorgensen: Orthogonality relations for wavelets and for fractals # 984-42-72

Saturday, March 15

8:00 Pete Casazza: A physical interpretation for finite tight frames # 984-15-32
8:30 Mark Lammers: Bracket products for Weyl-Heisenberg (Gabor) frames #984-46-258
9:00 Darrin Spegle: Wave packet densities # 984-42-191
9:30 Edward Wilson: Connectivity for tight frame Gabor systems with rational lattices # 984-42-93
10:00 Deguan Han: Characterization of functional Gabor multipliers # 984-42-62
10:30 Radu Balan: A frame-Riesz basis sequence duality result for wavelet sets # 984-40-25
11:05 - 11:55 Invited Address

Lunch Break

1:30 - 2:20 Invited Address

2:30 Peter Kuchment: *Complex analysis in some tomographic problems* # 984-44-138
3:00 Gerald Kaiser: *Physical wavelets and their extended-delta distribution* # 984-78-34
3:30 Andy Ludu: *Wavelet analysis soliton solutions of nonlinear partial differential equations* # 984-43-198
4:00 Todd Quinto: *Practical and mathematical problems in Limited data tomography* # 984-92-37
4:30 Eric Weber: *Orthogonal frames of translates* # 984-42-100
5:00 Guido Weiss: *Applications to a unified theory of reproducing systems* # 984-42-118

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**Sunday, March 16**

8:00 Judith Parker: *Operators associated to generalized filter functions* # 984-46-101
8:30 Brody Johnson: *Co-affine systems in $\mathbb{R}^d$* # 984-42-256

9:00 - 9:50 Invited Address

10:00 Qiyu Sun: *Localization of stability, frame and sampling in Fourier domain* # 984-42-94
10:30 John Boncek: *Generalization of frame potentials* # 984-43-222
11:00 Keril Kornelson: *Ellipsoidal tight frames in finite and infinite dimensional Hilbert spaces* # 984-47-105
11:30