

Auburn University

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Twelfth Auburn Mini-Conference on Harmonic Analysis and Related Areas

Friday and Saturday, December 15-16, 1995
Sponsored by NSF

Friday morning 8:30 - 9:00 Coffee, Doughnuts, Registration, Information -
Parker Hall 244

Friday Morning Session - Parker Hall 217

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| 9:00 - 9:10 | Opening Remarks |
| 9:10 - 9:30 | Yibiao Pan - Univ. of Pittsburgh Boundedness of Singular Integrals with rough Kernels. |
| 9:40 - 10:00 | Songying Li - Washington University Hardy Space and boundary value problems of Laplacian. |
| 10:10 - 10:30 | Carlos Handy - Clark University Multiscale Analysis of Eigenvalue/Function Problems for linear ODE's and PDE's. Through Novel Moment problem Methods - Extension to Wavelet Analysis of Quantum Problems. |
| 11:10 - 12:00 | Richard O'Neil - SUNY On a Theorem of Hardy - Littlewood. |
| 12:00 - 1:30 | Lunch Break |

Afternoon Session - Parker Hall 217

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| 1:30 - 1:50 | Joseph Lakey - New Mexico State University Constructive decomposition of BMO. |
| 2:00 - 2:20 | Mike Pearson - Mississippi State University A Logarithmic Sobolev Inequality on the real line. |
| 2:30 - 2:50 | Shiying Zhao - Missouri State Univ. Wavelet Sampling and Localization Schemes for The Radon Transforms in Two Dimension. |
| 3:00 - 3:20 | Pawel Szeptycki - University of Kansas Invariant Subspaces of The Maximal Domain of The Fourier Transform. |
| 4:10 - 5:00 | Richard Wheeden - Rutgers University Some recent results related to weighted norm estimates for singular and fractional Integrals. |
| 6:00 - 9:00 | Picnic at Pebble Hill (Mexican Fajitas and and Brazilian feijoada) |

Saturday Morning Session - Parker Hall 217

- 8:30 - 9:00 Coffee, Doughnuts (Parker Hall 244)
- 9:00 - 9:20 Guo Kanghui - Southwest Missouri St. Univ.
On The spectral synthesis property of plane
curves
- 9:30 - 9:50 Peter Knopf - Pace University
Projections Theorems for harmonic
measure in Lipschitz domain.
- 10:00 - 10:20 Murali Rao - University of Florida
An Inverse Problems for elliptic
equations
- 10:30 - 10:50 Xinwei Li - Washington University
Riesz Transforms on spheres
- 11:10 - 12:00 Archil Gulisashvili - Cornell University
Rearrangement of functions on locally
compact Abelian group and integrability of
Fourier Transform.

Saturday Afternoon Session: - Parker Hall 217

- 12:00 - 1:30 Lunch Break
- 1:30 - 1:50 Guozhen Lu - Wright State University
Fefferman - Phong Type Inequality
- 2:00 - 2:20 Xiangsheng Xu - Mississippi State Univ.
Local Holder Continuity of weak solutions
to a class of degenerate Elliptic Systems
- 2:30 - 2:50 Robert Smith - Mississippi State Univ.
A sufficient condition for Bishop's
Property (B)
- 3:10 - 4:00 Richard Wheeden - Rutgers University
Continued
- 4:30 - University vans carrying participants
to Atlanta leave Parker Hall - Saturday
evening we will carry interested participants
to (Dutch - Treat) Dinner in Atlanta