

Auburn University

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College of Sciences and Mathematics

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THIRTEENTH AUBURN MINI-CONFERENCE ON HARMONIC ANALYSIS AND RELATED AREAS

Friday and Saturday, November 22-23, 1996
Sponsored by NSF

Friday Morning 8:30-8:55 Coffee, Fruit, Doughnuts,
Registration, Information (Parker Hall 244)

Friday Morning Session - Parker Hall 305, 205, 301; 9:00am-Noon

- 9:00 - 9:05 Opening Remarks (Room 305).
- 9:10 - 10:00 Eric Sawyer, McMaster University (Room 305)
Maximal Averages Over Surfaces
- 10:10 - 10:30 Bao Luong - Washington University (Room 250)
A Hyperbolic $T(b)$ Theorem
- 10:35 - 10:55 Brian Kelly - Truman State University (Room 250)
Stochastic Integrals and Weak-type Estimates
- 11:10 - 12:00 Gustavo Perla - Fed. Univ. RJ (Brazil) (Room 301)
Large Deflections of Plates; Uniform Rates of
Decay
- 12:00 - 1:25 Lunch Break

Afternoon Session - Parker Hall 217

- 1:30 - 1:50 Guozhen Lu - Wright State University
Asymptotic Behavior for Solutions to a Class of
Semilinear PDE and Existence for Elliptic Systems
- 2:00 - 2:50 Michael Lacey - Georgia Tech
 L^p -estimates for the Bilinear Hilbert
Transforms
- 2:55 - 3:15 Michael Pearson - Mississippi State University
Extremals in Limiting Cases of Sololev
Inequalities
- 3:20 - 3:40 Annella Kelly - University of Missouri
Vector-valued Analytic Measures

- 3:45 - 4:05 K. Lin - University of Alabama
On the Existence of Certain Extremal Problems
- 4:10 - 5:00 Eugene Fabes - University of Minnesota
Potential Theorey, Comparison Theorems, and
Reversed Harnack Inequality for Non-negative
Solutions of Parabolic Equations
- 6:00 - 9:00 Picnic at Pebble Hill (Mexican Fajitas and
Brazilian Feijoada, beer, wine, and soft drinks;
contributions toward beer and wine accepted at
picnic)

Saturday Morning - Parker Hall 217

- 8:30 - 9:00 Coffee, Doughnuts (Parker Hall 244)
- 9:00 - 9:20 Pawel Szeptycki - University of Kansas
Almost Periodic Functions and Amalgam Spaces
- 9:30 - 10:20 Eric Sawyer - McMaster University
Continued
- 10:30 - 10:50 Alex Iosevich - Wright State University
Maximal Averages for $p < 2$
- 11:00 - 11:30 Richard O'Neil - The University of Albany
A Generalization of Holder's Inequality for Orlicz
Spaces
- 11:30 - 1:30 Lunch Break

Afternoon Session - Parker Hall 217

- 1:30 - 1:50 Mike Wilson - University of Vermont
Weighted Norm Inequalities for Gradients of
Double-half-space Extensions
- 2:00 - 2:50 Gustavo Perla- Fed. Univ. of RJ (Brazil)
Continued
- 3:00 - 3:20 Zhijian Wu - University of Alabama
Mutlipliers of Certain Analytic Function Spaces
- 3:30 - 4:20 Eugene Fabes - University of Minnesota
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.