AMS CENTRAL SECTION MEETING IN MADISON
HARMONIC ANALYSIS SPECIAL SESSION

Saturday, October 12, 2002.
Van Vleck Hall B139.

9:00-9:50 Eli Stein (Princeton University):
Singular integrals and decoupled domains.

10:00-10:25 Camil Muscalu (UCLA):
On the classical Carleson-Hunt theorem in Fourier analysis.

10:30-10.55 Chris Sogge (Johns Hopkins University):
Nonlinear wave equations outside of obstacles.

2:00-2:25 Eric Sawyer (McMaster University):
Regularity of degenerate Monge-Ampere equations in two dimensions.

2:30-2:55 Victor Nistor (Pennsylvania State University):
Analysis on manifolds with a Lie structure at infinity.

3:00-3:25 Daniel Oberlin (Florida State):
A restriction theorem for a 2-surface in $\mathbb{R}^5$.

3:30-3:55 Allan Greenleaf (University of Rochester):
Averages over rotations of curves.

4:00-4:25 Richard Rochberg (Washington University, St. Louis):
Hankel Forms on the Dirichlet Space and Related Operators.

4:30-4:55 Mark Pinsky (Northwestern University):
Recovering the jump in Fourier analysis and summability theory.

There will be a reception at 6:00 p.m. in the Memorial Union.

Organizers: Alexandru Ionescu and Andreas Seeger

Typeset by $\mathcal{AMS}$-TEX

Sunday, October 13, 2002.
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8:30-9:20 Carlos Kenig (University of Chicago):
Unique continuation for non-linear dispersive equations.

9:30-9:55 Bill Beckner (University of Texas, Austin):
Geometric inequalities on hyperbolic space and $SL(2,\mathbb{R})$.

10:00-10:25 Akos Magyar (University of Georgia):
On the distribution of lattice points on spheres and k spheres.

10:30-10:55 Alex Iosevich (University of Missouri):
Distribution of lattice points in random ellipsoids.

11:00-11:25 Daniel Tataru (UC Berkeley):
Dispersive estimates for principally normal pseudodifferential operators.

3:00-3:25 Alexander Volberg (Michigan State University):
Bellman functions, self-improvement of quadratic forms, and asymptotic estimates of the Ahlfors-Beurling transform in L^p, $p \to \infty$.

3:30-3:55 Al Baernstein (Washington University, St. Louis): Some minimum problems for hyperbolic metrics.