

FINAL ANNOUNCEMENT
22ND MIDWEST PARTIAL DIFFERENTIAL EQUATIONS CONFERENCE
UNIVERSITY OF CHICAGO
Eckhart Hall-5734 S. University Avenue

SATURDAY, OCTOBER 17, 1987

- 9:30 - Bus from Hilton to Eckhart Hall
- 10:00 - R.C. Chang (University of Peking): Applications of Morse theory to partial differential equations.
- 11:00 - Break: Coffee and donuts
- 11:30 - G. Ponce (University of Chicago): The initial-value problem for the Euler and Navier-Stokes equations.
- 2:15 - W.-M. Ni (University of Minnesota): Large-amplitude solutions to a semilinear Neumann problem in pattern formation.
- 3:15 - Break: Cold drinks
- 3:30 - D. Tartakoff (University of Illinois at Chicago): Local analyticity for the $\bar{\partial}$ -Neumann problem in some pseudoconvex domains.
- 4:45 - W. Ziemer (Indiana University): Regularity of weak solutions of elliptic and parabolic variational inequalities.
- 6:00 - Bus to Hilton
- 8:00 - Bus from Hilton to Amick's house
- 10:00 - Bus from house to Hilton

SUNDAY, OCTOBER 18, 1987

- 9:00 - Bus from Hilton to Eckhart
- 9:30 - F. Lin (Courant Institute): Estimates near the boundary for a class of degenerate elliptic problems.
- 10:30 - Break
- 10:45 - S. Yau (University of Illinois at Chicago): Lie algebra methods in the Cakai equations.
- 12:00 - E. Titi (University of Chicago): On detecting stable time-periodic solutions to the Navier-Stokes equations.
- 1:15 - Bus to Hilton

Rooms have been reserved at the Hyde Park Hilton, 4900 S. Lake Shore Drive, Chicago, Illinois 60615 for the evenings of October 16 & 17. Reservations may be made by calling 1-800-237-4933 (outside Illinois) or 1-800-237-7275 (within Illinois). Please tell the operator that you will be attending the conference.

There will be support available (up to \$100) for approximately ten graduate students. The following students have contacted me and are assured of support: Z. Xin, M. Khodja, P. Felmar, R. Stoke, Y. Long, K. Wang, H. Zhongdau, and Y. Li. Forms will be available at the conference and interested students should keep their receipts.

A party will be given at C. Amick's house, 5739 S. Kimbark Avenue (exactly two blocks due east of Eckhart hall), beginning at 8:00 on Saturday night. Any questions about the conference should be addressed to C. Amick, Department of Mathematics, University of Chicago, 5734 University Avenue, Chicago, Illinois 60637 or by telephone (312-702-7375).