

Conference on Complex Analysis and Geometry

On the occasion of Sidney Webster's 70th birthday

University of Wisconsin – Madison, March 27-29, 2015

Friday, March 27 (Room B115 Van Vleck Hall)

1:00-1:30 *Registration*, 9th floor lounge, Van Vleck Hall

1:30-2:20 PM *On the work of Sidney Webster*
Xiaojun Huang (Rutgers University, New Brunswick)

2:30-2:50 PM *Stokes phenomenon in CR-geometry*
Ilya Kossovskiy (University of Vienna)

3:00-3:20 PM *Distributional boundary values of holomorphic functions on piecewise smooth domains*
Debraj Chakrabarti (Central Michigan University)

3:30-4:00 PM *Coffee break*

4:00-4:45 PM *Sums of squares and applications to projective and CR geometry*
Peter Ebenfelt (University of California - San Diego)

7:00 PM *Party (snacks, wine and cheese) at Gong and Zhuang's house, 113 Frigate Dr, Madison, (608) 233-9754*

Saturday, March 28 (Room B239 Van Vleck Hall)

7:45-8:20 AM Coffee and refreshments

8:30-9:20 AM *Strong rigidity and the Hodge theory of representing classes by Cauchy-Riemann manifolds*
Yum-Tong Siu (Harvard University)

9:30-10:20 AM *Some global properties of tubes*
Dan Burns (University of Michigan, Ann Arbor)

10:30-10:50 AM *Direct proof of termination of the Kohn algorithm in the real-analytic case*
Andreea Nicoara (University of Pennsylvania)

11:00-11:50 PM *Analysis on CR manifolds*
Joseph J. Kohn (Princeton University)

Noon-1:30 PM Lunch break

Saturday, March 28 (Room B239 Van Vleck Hall)

- 1:30-2:20 PM *Topology of Dolbeault cohomology groups*
Mei-Chi Shaw (University of Notre Dame)
- 2:30-2:50 PM *Non-existence of smooth Levi-flat hypersurfaces with positive normal bundle in compact Kähler manifolds of dimension ≥ 3*
Séverine Biard (Texas A & M University)
- 3:00-3:20 PM *Coffee break*
- 3:30-4:20 PM *Real submanifolds of maximum complex tangent space at a CR singular point and dynamics*
Laurent Stolovitch (University of Nice – Sophie Antipolis)
- 4:30-5:00 PM *Group Photo*
- 6:30 PM *Banquet at Imperial Garden Chinese Restaurant, 2039 Allen Boulevard, Middleton (608)-238-6445*

Sunday, March 29 (Room B239 Van Vleck Hall)

- 7:45-8:20 AM *Coffee and refreshments*
- 8:30-9:20 AM *Critical sets of proper holomorphic mappings (joint results with R. Shafikov)*
Sergey Pinchuk (Indiana University, Bloomington)
- 9:30-10:20 AM *Parabolic manifolds associated to formal invariant curves*
Liz Vivas (Ohio State University)
- 10:30-11:20 *The Q -prime Curvature equation in CR geometry*
Paul Yang (Princeton University)