Midwest Several Complex Variables
A Conference in Honor of Mei -Chi Shaw

April 29 – May 1, 2022
University of Notre Dame

SCHEDULE

*Talks will be held in Room 127 Hayes -Healy Hall (registration and coffee breaks held in 257 Hurley Hall)

Friday, April 29, 2022

1:00 PM Registration and Coffee

1:30 PM Welcome and Opening Remarks

1:35 PM Christine Laurent-Thiébaut (Université Grenoble Alpes)
"*Solving the Cauchy-Riemann equation with support conditions, pseudoconvexity and holo-morphic approximation"*

2:30 PM Anne-Katrin Gallagher (Gallagher Tool & Instrument)
"On plurisubharmonic defining functions"

3:00 PM Debraj Chakrabarti (Central Michigan University)
"Projection operators onto L^p-Bergman spaces"

3:30 PM Coffee Break

4:00 PM László Lempert (Purdue University)
"The principle of least action in spaces of plurisubharmonic functions"

5:30 PM - 7:00 PM Welcome Reception: Morris Inn Rohr's Bistro – Breakfast Room

Saturday, April 30, 2022

8:15 AM Continental Breakfast

9:00 AM Joseph Kohn (Princeton University)
"Subelliptic estimates on weakly pseudoconvex CR manifolds"

10:00 AM Yuan Yuan (Syracuse University)
"Local holomorphic maps preserving (p, p)-forms"

10:30 AM Coffee Break

11:00 AM David Barrett (University of Michigan)
"Spectral theory of skew projections, with application to holomorphic reproducing kernels"

12:00 PM Lunch

2:00 PM Eric Bedford (Institute for Mathematical Sciences at Stony Brook)
"Complex analysis in the dynamics of Hénon mappings"

3:00 PM Phillip Harrington (University of Arkansas)
"The Diederich-Fornæss Index and regularity of defining functions"

3:30 PM Coffee Break

4:00 PM Emil Straube (Texas A&M University)
"A sufficient condition for global regularity revisited: DF-index 1 and regularity"

6:00 PM - 8:30 PM Conference Dinner: Morris Inn Private Dining Room

Sunday, May 1, 2022

8:15 AM Continental Breakfast

9:00 AM Duong Hong Phong (Columbia University)
"L^1 *estimates for the Monge-Amp`ere and other fully non-linear equations in complex geometry"*

10:00 AM Liz Vivas (Ohio State University)
"Bergman space dimensions on Riemann surfaces"

10:30 AM Coffee Break

11:00 AM Paul Yang (Princeton University)
"A sphere theorem in CR geometry"