

Hausdorff School  
“Maximal Operators and Applications”

July 15 - 19, 2023

organized by  
**Jongchon Kim, Lillian Pierce, Po Lam Yung**

All times are local to Bonn

• **Monday, July 15**

08:45 - 09:00	<i>Self Registration</i>
09:00 - 10:15	<b>Jonathan Bennett</b> Controlling oscillatory integrals by maximal functions
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 12:15	<b>Malabika Pramanik</b> Geometric maximal operators
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Andreas Seeger</b> The Nevo-Thangavelu spherical maximal operator
15:15 - 16:15	<i>Coffee Break</i>
16:15 - 17:15	<b>Sanghyuk Lee</b> Bounds on the strong spherical maximal functions
<i>afterwards</i>	<i>Get together</i>

• **Tuesday, July 16**

09:00 - 10:15	<b>Jonathan Bennett</b> Controlling oscillatory integrals by maximal functions
10:15 - 11:00	<i>Coffee Break and Group Photo</i>
11:00 - 12:15	<b>Malabika Pramanik</b> Geometric maximal operators
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Xiumin Du</b> Schrodinger maximal function and weighted Fourier restriction estimates
15:15 - 16:15	<i>Coffee Break</i>
16:15 - 17:15	<b>Christoph Thiele and Floris van Doorn</b> Carleson operators on doubling metric measure spaces

• **Wednesday, July 17**

09:00 - 10:15	<b>Andreas Seeger</b> The Nevo-Thangavelu spherical maximal operator
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 12:15	<b>Xiumin Du</b> Schrodinger maximal function and weighted Fourier restriction estimates
<i>afterwards</i>	<i>free afternoon</i>

• **Thursday, July 18**

09:00 - 10:15	<b>Jonathan Bennett</b> Controlling oscillatory integrals by maximal functions
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 12:15	<b>Malabika Pramanik</b> Geometric maximal operators
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Andreas Seeger</b> The Nevo-Thangavelu spherical maximal operator
15:15 - 16:15	<i>Coffee Break</i>
16:15 - 17:15	<b>Keith Rogers</b> Improved bounds for the Kakeya maximal operator using semialgebraic geometry

• **Friday, July 19**

09:00 - 10:15	<b>Jonathan Bennett</b> Controlling oscillatory integrals by maximal functions
10:15 - 11:00	<i>Coffee Break</i>
11:00 - 12:15	<b>Malabika Pramanik</b> Geometric maximal operators
12:15 - 14:00	<i>Lunch Break</i>
14:00 - 15:15	<b>Xiumin Du</b> Schrodinger maximal function and weighted Fourier restriction estimates
<i>afterwards</i>	<i>closing</i>