Talks are in room 312 Math

Tea and breakfast are in room 508 Math

May 18.

Breakfast at 9:00AM and tea at 4:00PM

9:30-10:30 Philippe Michel, Université Montpellier II, France
   Equidistribution of torus orbits on spaces of lattices

11:00-12:00 Jeff Hoffstein, Brown University
   The first non-vanishing quadratic twist of an automorphic L-function on GL(2)

1:30-2:30 Samuel Patterson, Universität Göttingen
   The Fourier coefficients of metaplectic theta functions

3:00-4:00 Solomon Friedberg, Boston College
   Constructing Multiple Dirichlet Series

4:30-5:30 Daniel Bump, Stanford University
   Metaplectic Eisenstein Series, Weyl Group
   Multiple Dirichlet Series, and Gauss Sum Combinatorics

May 19

Breakfast at 9:00AM and tea at 4:00PM

9:30-10:30 Benedict Gross, Harvard University
   Finding a triple zero

11:00-12:00 Henryk Iwaniec, Rutgers University
   The least prime in arithmetic progressions

1:30-2:30 James Cogdell, Ohio State University
   A Report on Functoriality

3:00-4:00 Dihua Jiang, University of Minnesota
   On Poles of Automorphic L-functions

4:30-5:30 Colette Moeglin, Université Pierre & Marie Curie
   About residual Eisenstein Series
<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 20</td>
<td>9:30-10:30</td>
<td>Dinakar Ramakrishnan, California Institute of Technology</td>
<td>Selfdual representations and Signs</td>
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<td>11:00-12:00</td>
<td>Marie-France Vigneras, Université de Paris 7</td>
<td>Torsion $p$-adic representations of $p$-adic reductive groups</td>
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<td>1:30-2:30</td>
<td>Alex Lubotzky, Hebrew University</td>
<td>Counting congruence subgroups</td>
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<td>3:00-4:00</td>
<td>Henri Darmon, McGill University</td>
<td>Exotic Heegner points and periods of binary theta-series</td>
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<td>4:30-5:30</td>
<td>M. Ram Murty, Queen’s University, Canada</td>
<td>Effective equidistribution of Hecke eigenvalues</td>
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<tr>
<td>May 21</td>
<td>9:30-10:30</td>
<td>Barry Mazur, Harvard University</td>
<td>Transcendence conjectures about units in algebraic number fields and Galois deformation problems</td>
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<td>11:00-12:00</td>
<td>John Coates, University of Cambridge</td>
<td>Zeroes of complex $L$-functions and Iwasawa modules</td>
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<td>1:30-2:30</td>
<td>Peter Sarnak, Princeton University</td>
<td>Primes and Orbits</td>
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<td>3:00-4:00</td>
<td>Steve Kudla, University of Toronto</td>
<td>Arithmetic special cycles for unitary groups</td>
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<td>4:30-5:30</td>
<td>Shing-Tung Yau, Harvard University</td>
<td>Arithmetic Related to Calabi-Yau</td>
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May 22

Breakfast at 9:00AM and tea at 4:00PM

9:30-10:30 Richard Taylor, Harvard University
   The Sato-Tate conjecture (and some minor variants)

11:00-12:00 Ken Ono, University of Wisconsin
   Harmonic Maass form and combinatorial series

1:30-2:30 Jean-Benoît Bost, Université de Paris-Sud
   Extensions of hermitian vector bundles and Poincaré series

3:00-4:00 Jan Hendrik Bruinier, Universität zu Köln
   Differentials of the third kind and Heegner divisors

4:30-5:30 Ambrus Pal, Imperial College London
   Drinfeld modular curves and Diophantine Geometry

May 23

Breakfast at 9:00AM and tea at 4:00PM

9:30-10:30 Tonghai Yang, University of Wisconsin
   An arithmetic intersection formula on a Hilbert modular surface

11:00-12:00 Hervé Jacquet, Columbia University
   A relative trace formula approach
to the Gross-Prasad conjecture for the unitary group

1:30-2:30 Lucien Szpiro, City University of New York
   Finiteness theorems for dynamical systems

3:00-4:00 Akshay Venkatesh, New York University
   Analytic theory of quadratic class groups

4:30-5:30 Gautam Chinta, City University of New York
   Multiple Dirichlet series associated to general root systems