Great Lakes Strings 2011
University of Chicago

Getting to the Conference Site

The conference will take place in room W301 of the Gordon Center for Integrative Science (GCIS) at 929 E 57th St. Each morning, we will provide bus service from the hotels to GCIS. Please note that the bus will stop at both hotels (Sheraton Four Points first followed by Crown Plaza). Friday evening, the bus will take participants from GCIS to Big Bowl for the conference dinner. Hotels are easily reached on foot from Big Bowl (see map below). Saturday evening and Sunday afternoon, the bus will take participants from GCIS directly back to their hotels.

Bus Schedule

<table>
<thead>
<tr>
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<th>Friday, April 29</th>
<th>Saturday, April 30</th>
<th>Sunday, May 1</th>
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<tbody>
<tr>
<td>Pick-up at hotels</td>
<td>9:00am</td>
<td>8:00am</td>
<td>8:00am</td>
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<tr>
<td>Pick-up at GCIS</td>
<td>6:00pm</td>
<td>6:30pm</td>
<td>3:15pm</td>
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Getting to your Hotel from the Dinner at Big Bowl
Driving Directions to Visitor Parking and Conference Site

GCIS is easily accessible on foot from the 55th and Ellis visitor parking garage should you decide to drive to the conference site from your hotel. From either hotel you should take Lake Shore Dr south to Hyde Park. Be aware that entrances to Lake Shore Dr are sparse. The directions below utilize the most convenient entrance for the hotels.

- Go to Michigan Ave. (go north on Rush then east on Erie from 4 Pts or west on Huron from C.P.–map shows route from 4 Pts)
- Michigan Ave north to Chicago Ave and then turn east (right)
- Chicago Ave east to Lake Shore Dr and then turn south (right)
- Lake Shore Dr south to the 53rd St exit
- 53rd street west to S Lake Park Ave (just after the tracks) and then turn south (left)
- S Lake Park Ave south to 55th St and then turn west (right)
- Follow 55th St to Ellis Ave
- Turn south (left) on Ellis Ave – the garage entrance will be on your left
- Walking directions to GCIS are illustrated to the left
Friday, April 29

9:00 – Pick-up time at hotels for bus to GCIS (conference site)

10:45-11:45 – Session 1 – chaired by Emil Martinec (Chicago)

10:45-11:15  *Holographic inflation confronts data*
Kostas Skenderis (Amsterdam)

11:15-11:45  *TBA*
Shiraz Minwalla (TIFR)

11:45-12:00 – Coffee Break

12:00-1:00 – Session 2 – chaired by Alex Buchel (Perimeter)

12:00-12:30  *Double Field Theory and String Duality*
Chris Hull (Imperial)

12:30-1:00  *Trivertices and SU(2)’s*
Amihay Hanany (Imperial)

1:00-2:00 – Lunch

2:00-3:30 – Session 3 – chaired by Finn Larsen (Michigan)

2:00-2:30  *A window into 4D integrability: the exact spectrum of N = 4 SYM”*
Vladimir Kazakov (ENS)

2:30-3:00  *Euclidean Wilson loops and Riemann Theta Functions*
Martin Kruczenski (Purdue)

3:00-3:30  *Aspects of Lifshitz holography*
Amanda Peet (Toronto)

3:30-4:00 – Coffee Break

4:00-5:00 – Session 4 – chaired by David Kutasov (Chicago)

4:00-4:30  *Precision counting with no SUSY*
Finn Larsen (Michigan)

4:30-5:00  *Chaos in the Gauge/Gravity Correspondence*
Leo Pando Zayas (Michigan)

5:00-5:30  *Chaos, Non-integrability, and strings in Einstein manifolds*
Pallab Basu (Kentucky)

• 6:00 – Bus from GCIS to conference dinner at Big Bowl
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Saturday, April 30

8:00 – Pick-up time at hotels for bus to GCIS (conference site)

9:30-11:00 – Session 5 – chaired by Jeff Harvey (Chicago)

  9:30-10:00  *Localization and Exact Holography*
  Atish Dabholkar (CNRS,LPTHE)

  10:00-10:30  *The information paradox and the infall problem*
  Samir Mathur (Ohio State)

  10:30-11:00  *A Large N dual to 2d CFT’s*
  Rajesh Gopakumar (HRI)

11:00-11:30 – Coffee Break

11:30-1:00 – Session 6 – chaired by Samir Mathur (Ohio State)

  11:30-12:00  *Holography, entanglement, and thermalization*
  Jan de Boer (Amsterdam)

  12:00-12:30  *Holographic Quantum Quench*
  Sumit Das (Kentucky)

  12:30-1:00  *Confinement/deconfinement and \( \chi SB \) in gauge theory/string correspondence*
  Alex Buchel (Perimeter)

1:00-2:00 – Lunch

2:00-3:00 – Session 7 – chaired by Martin Kruczenski (Purdue)

  2:00-2:30  *Shock waves in strongly coupled plasmas*
  Georgios Michalogiorgakis (Purdue)

  2:30-3:00  *The Localized KK-Monopole/NS5-Brane in Doubled Geometry*
  Steuard Jensen (Alma)

3:00-3:20 – Coffee Break

3:20-4:20 – Session 8 – chaired by Al Shapere (Kentucky)

  3:20-3:50  *Fun with F-theory GUTs and U(1)’s*
  Joseph Marsano (Chicago)

  3:50-4:20  *Gravity as the Square of Gauge Theory*
  Michael Kiermaier (Princeton)

4:20 - 4:40 – Coffee Break
Saturday, April 30 (cont’d)

4:40-6:00 – Session 9: Student Session – chaired by Joseph Marsano (Chicago)

4:40-4:50  The Spectrum of Holographic Wilson Loops
            Alberto Faraggi (Michigan)

4:50-5:00  $\mathcal{N} = 1$ deformation of $T_N$ theories
            Ibrahima Bah (Michigan)

5:00-5:10  TBA
            Callum Quigley (Chicago)

5:10-5:20  Chiral matter wave functions in warped compactifications
            Paul McGuirk (Wisconsin)

5:20-5:30  A conformal phase transition in $\mathcal{N} = 4$ SYM coupled to defect fermions
            Jennifer Lin (Chicago)

5:30-5:40  Superamplitudes in $\mathcal{N} < 4$ SYM theory
            Cheng Peng (Michigan)

5:40-5:50  Integrability in asymptotically AdS spacetimes
            Archisman Ghosh (Kentucky)

5:50-6:00  On causality and NEC in Lifshitz holography
            Peter Koroteev (Minnesota)

6:30 – Bus from GCIS (conference site) back to hotels
Sunday, May 1

8:00 – Pick-up time at hotels for bus to GCIS (conference site)

9:30-11:00 – Session 10 – chaired by Joseph Marsano (Chicago)

  9:30-10:00  *Seiberg-Witten Theory and the Bethe Ansatz*
              Nick Dorey (Cambridge)

  10:00-10:30 *A New 2d/4d Duality via Integrability*
              Heng-Yu Chen (Wisconsin)

  10:30-11:00 *A novel method for locating Argyres-Douglas loci in pure \( \mathcal{N} = 2 \) theories*
              Jihye Seo (McGill)

11:00-11:30 – Coffee Break

11:30-1:00 – Session 11 – chaired by Akikazu Hashimoto (Wisconsin)

  11:30-12:00 *Supersymmetry Breaking and Conifold Backgrounds*
              Nick Halmagyi (LPTHE)

  12:00-12:30 *F-theory, Seiberg-Witten Curves, and \( \mathcal{N} = 2 \) Dualities*
              Keshav Dasgupta (McGill)

  12:30-1:00  *Automorphic Black Holes as Probes of Extra Dimensions*
              Rolf Schimmrigk (Indiana)

1:00-2:00 – Lunch

2:00-3:00 – Session 12 – chaired by Savdeep Sethi (Chicago)

  2:00-2:30  *TBA*
              Diego Trancanelli (Wisconsin)

  2:30-3:00  *Holographic \( c \)-theorems and higher derivative gravity*
              Jim Liu (Michigan)

3:15 – Bus from GCIS (conference site) back to hotels