# Shanks Workshop on Subfactors and Planar Algebras

**April 18-20, 2008**  
**Vanderbilt University**  
**Organizers:** Dietmar Bisch, Pinhas Grossman, Shamindra Ghosh

All talks are scheduled in Stevenson Center, Building 1 (Math Department).

**Friday, April 18, 2008**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:00am-10:50am</td>
<td>Feng Xu, room SC 5211</td>
<td></td>
<td>Introduction to intermediate subfactor lattices</td>
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<td>11:00am-11:50am</td>
<td>Emily Peters, room SC 1320</td>
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<td>Constructing the Haagerup subfactor with planar algebras</td>
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<td>12:00-2:00pm</td>
<td>Lunch break</td>
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All afternoon talks will be held in SC 1320.

2:00pm

- **Marta Asaeda (50 minutes)**  
  Non-existence of finite depth subfactors with certain small indices

- **Yasuyuki Kawahigashi (50 minutes)**  
  Superconformal field theory, super moonshine and operator algebras

- **Richard Burstein (50 minutes)**  
  Subfactors and Hadamard Matrices

Dinner

**Saturday, April 19, 2008**

All talks will be held in SC 1432. SC 1431 and SC 1307 are available for discussions.

9:30am

- **Feng Xu (50 minutes)**  
  Intermediate subfactor lattice and conformal field theory I

- **Paramita Das (30 minutes)**  
  The planar algebra of Bisch-Haagerup subfactors I

- **Shamindra Ghosh (30 minutes)**  
  The planar algebra of Bisch-Haagerup subfactors II
12:00-2:00pm  **Lunch break**

2:00pm  **Vaughan Jones (50 minutes)**  
Pairs of finite index subfactors, systems of bimodules and II_1 factors coming from graded algebras

**Scott Morrison (50 minutes)**  
A not-quite-braiding for the D_{2n} planar algebras, and some knot invariants

**Pinhas Grossman (50 minutes)**  
Construction of a subfactor with index \((7+\sqrt{13})/2\)  
(after Masaki Izumi)

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**Sunday, April 20, 2008**

*All talks will be held in SC 1432. SC 1431 and SC 1307 are available for discussions.*

9:30am  **Feng Xu (50 minutes)**  
Intermediate subfactor lattice and conformal field theory II

**Noah Snyder (30 minutes)**  
Unoriented or Disoriented?

**Alan Wiggins (30 minutes)**  
Strong singularity for subfactors

**Jesse Peterson (50 minutes)**  
Von Neumann subalgebras closed under \(\Gamma\)-extensions

*End of workshop*