### Conference — Moduli Spaces — Schedule, Speakers and Titles — final version —

<table>
<thead>
<tr>
<th>time</th>
<th>Monday 7.1.08</th>
<th>Tuesday 8.1.08</th>
<th>Wednesday 9.1.08</th>
<th>Thursday 10.1.08</th>
<th>Friday 11.1.08</th>
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<tbody>
<tr>
<td>09:30 - 10:30</td>
<td></td>
<td>(5) Caporaso</td>
<td>(10) Vakil</td>
<td>(12) Godin</td>
<td>(17) Kaufmann</td>
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<tr>
<td>10:30 - 11:00</td>
<td>registration</td>
<td>tea &amp; coffee</td>
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<td>11:00 - 12:00</td>
<td>(1) Getzler</td>
<td>(6) Madsen</td>
<td>(11) Hain</td>
<td>(13) Faber</td>
<td>(18) Tradler</td>
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<td>12:00 - 14:00</td>
<td>lunch</td>
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<td>13:15 - 14:30</td>
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<td>14:00 - 15:00</td>
<td>(2) Fantechi</td>
<td>(7) Alper</td>
<td>Hausdorff Institute</td>
<td>(14) Baldwin</td>
<td>(19) Gorinov</td>
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<td>15:10 - 15:50</td>
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<td>15:15 - 16:15</td>
<td>(3) Ebert</td>
<td>(8) Shadrin</td>
<td>excursion</td>
<td>(15) Valette</td>
<td>(20a) Artamkin</td>
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<td>16:00 - 16:40</td>
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<td>(20b) Tommasi</td>
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<td>16:15 - 17:00</td>
<td>tea &amp; coffee</td>
<td>tea &amp; coffee</td>
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<td>17:00 - 17:40</td>
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<td>17:00 - 18:00</td>
<td>(4) Wahl</td>
<td>(9a) Angel</td>
<td>Cologne</td>
<td>(16a) Randal-Williams</td>
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<td>17:50 - 18:30</td>
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<td>(9b) Viviani</td>
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<td>(16b) de Jong</td>
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<td>18:30</td>
<td>joint dinner</td>
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### Abbreviations and explanations

For the titles of the talks see below.

All lectures — apart from the closing talk (21) — will be held in the Lecture Hall of the Max Planck Institute, Vivatsgasse 7. The closing talk by G. Farkas is the weekly Mathematical Colloquium of the Mathematical Institute, 17:15 (!) to 18:15 (!) in the Kleiner Hörsaal, Wegeler Strasse 10. Tea is served at 16:45 on.

**Lunch**: On Monday till Friday we have made reservations in the Nasse Mensa (Student Cafeteria), just a short walk from the MPI.

**Joint Dinner**: Like in the week before during the winter school, the dinner is at Bönnisch, a traditional brewery and restaurant, Sterntorbrücke 4, at 18:30 h, just a few minutes from the MPI.

**Excursion**: The excursion is to Cologne for a guided tour through the cathedral.
Speakers and Titles

**Andres Angel** (Stanford University)
*Cobordism of orbifolds*

**Jarod Alper** (Stanford University)
*Good moduli spaces for Artin stacks*

**Igor Artamkin** (Moscow University)
*Colored graphs and Burgers equation: Euler characteristic of $\overline{M}_{g,n}$ and other applications*

**Elisabeth Baldwin** (Oxford University)
*A Geometric-Invariant-Theory construction of $\overline{M}_{g,n}$, as a quotient of a subscheme of $\overline{M}_{g,n}(\mathbb{P}^r, d)^

**Lucia Caporaso** (University Rome III)
*Moduli of special line bundles over stable curves*

**Ralph Cohen** (Stanford University)
*Moduli spaces of flat connections on Riemann surfaces — cancelled —

**Johannes Ebert** (Oxford University)
*On the homology of the moduli stack of stable curves*

**Carel Faber** (KTH Stockholm)
*Euler characteristic of moduli spaces of curves*

**Barbara Fantechi** (SISSA Trieste)
*Virtual Riemann Roch theorems and applications*

**Gavril Farkas** (Humboldt University, Berlin)
*The Koszul geometry of the moduli space of curves*

**Ezra Getzler** (Northwestern University)
*A natural filtration on Deligne-Mumford moduli spaces for surfaces with boundary*

**Veronique Godin** (Harvard University)
*Open-closed string topology*

**Alexey Gorinov**
*Rational cohomology of the moduli space of pointed genus 1 curves*

**Richard Hain** (Duke University)
*Hyperelliptic Torelli groups*

**Robin de Jong** (Leiden University)
*Arithmetic positivity of line bundles on $\overline{M}_g$*

**Ralph Kaufmann** (Purdue University)
*Moduli spaces in algebra and topology: operadic aspects*
Ib Madsen (Aarhus University)
Integral Riemann-Roch formulas for surface bundles

Oscar Randal-Williams (Oxford University)
Spaces of manifolds and tangential structures

Sergey Shadrin (Zürich University)
Givental theory and Witten conjecture

Orsola Tommasi (Hannover University)
Discriminants and cohomology of moduli spaces of curves

Thomas Tradler
A closed TCFT for Calabi-Yau elliptic space

Ravi Vakil (Stanford University)
Re-imagining universal covers and fundamental groups in algebraic geometry - toward algebraic Teichmüller spaces and algebraic mapping class groups

Bruno Vallette (Nice University)
Moduli Spaces of algebraic structures

Filippo Viviani (Humboldt University Berlin / Rome)
On some cohomological properties of Abel-Prym curves

Nathalie Wahl (Copenhagen University)
Mapping class groups of 3-manifolds