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

time	Monday 7.1.08	Tuesday 8.1.08	Wednesday 9.1.08	Thursday 10.1.08	Friday 11.1.08
09:30 - 10:30		(5) **Caporaso**	(10) **Vakil**	(12) **Godin**	(17) **Kaufmann**
10:30 - 11:00	registration	tea & coffee	tea & coffee	tea & coffee	tea & coffee
11:00 - 12:00	(1) **Getzler**	(6) **Madsen**	(11) **Hain**	(13) **Faber**	(18) **Tradler**
12:00 - 14:00 / 13:15 -	lunch	lunch	lunch — — — coffee at Hausdorff Institute	lunch	lunch
- 14:30 / 14:00 - 15:00	(2) **Fantechi**	(7) **Alper**		(14) **Baldwin**	(19) **Gorinov**
15:10 - 15:50 / 15:15 - 16:15 / 16:00 - 16:40	(3) **Ebert**	(8) **Shadrin**	excursion	(15) **Valette**	(20a) **Artamkin** - - - - - - - - - - - (20b) **Tommasi**
16:15 - 17:00	tea & coffee	tea & coffee	to	tea & coffee	
17:00 - 17:40 / 17:00 - 18:00 / 17:50 - 18:30	(4) **Wahl**	(9a) **Angel** - - - - - - - - - (9b) **Viviani**	Cologne	(16a) **Randal-Williams** - - - - - - - - - - - - - - - - (16b) **de Jong**	(21) **Farkas**
18:30		joint dinner			

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, vatsgasse 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 *Bönnsch*, a traditional brewery and restaurant, Sterntorbrücke 4, at 18:30 h, just a few minures 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 — revisited
— 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