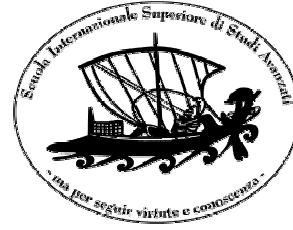




**2004 Workshop**  
*on*  
**Algebraic Geometry**  
*and Physics*  
**Lisbon, IST, 7-12 September**  
**Room PA1**



### Detailed Schedule

#### TUESDAY, September 7

09h00 - 10h00	<b>Registration and Wellcome Address</b>	
10h00 - 11h00	<b>van Moerbeke – I</b>	<i>Random permutations, random matrices and integrable systems</i>
11h00 - 11h30	<b>Coffee</b>	
11h30 - 12h10	<b>Bartocci</b>	<i>Special Kaehler geometry of classical integrable systems</i>
12h10 - 12h50	<b>Fucito</b>	<i>Non perturbative computations in supersymmetric theories</i>
13h00 - 15h00	<b>Lunch</b>	
15h00 - 15h50	<b>Donagi</b>	<i>The particle spectrum of heterotic compactifications</i>
16h00 - 16h40	<b>Reinbacher</b>	<i>Moduli dependent spectra of heterotic compactifications</i>
16h40 - 17h10	<b>Coffee</b>	
17h10 - 17h50	<b>Grunberg</b>	<i>Gromov-Witten potentials and automorphic forms</i>
18h00 - 19h00	<b>Registration</b>	
19h00	<b>Reception</b>	<i>In the garden near the Conference Building</i>

#### WEDNESDAY, September 8

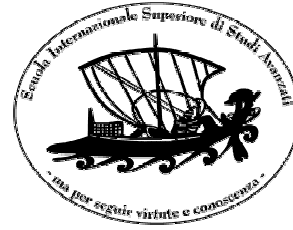
09h00 - 09h50	<b>Nekrasov</b>	<i>Chasing topological M-theory</i>
10h00 - 11h00	<b>Pandharipande – I</b>	<i>Gromov-Witten theory in low dimensions</i>
11h00 - 11h30	<b>Coffee</b>	
11h30 - 12h10	<b>Kreussler</b>	<i>Semi-stable sheaves on nodal cubics</i>
12h10 - 12h50	<b>Shadrin</b>	<i>Getzler's relation in dGBV-algebras</i>
13h00 - 15h00	<b>Lunch</b>	
15h00 - 16h00	<b>Katz – I</b>	<i>ADE geometry and dualities</i>
16h00 - 16h40	<b>Andreas</b>	<i>G-flux and Calabi-Yau geometries</i>
16h40 - 17h10	<b>Coffee</b>	
17h10 - 18h10	<b>Mariño – I</b>	<i>Topological strings on Calabi-Yau geometries, integrable hierarchies and matrix models</i>

#### THURSDAY, September 9

09h00 - 10h00	<b>Pandharipande – II</b>	<i>Gromov-Witten theory in low dimensions</i>
10h00 - 11h00	<b>van Moerbeke – II</b>	<i>Random permutations, random matrices and integrable systems</i>
11h00 - 11h30	<b>Coffee</b>	
11h30 - 12h10	<b>Braverman</b>	<i>Instanton counting via affine Lie algebras</i>
12h10 - 12h50	<b>Pedrini</b>	<i>Finite dimensional motives and the conjectures of Bloch and Beilinson</i>
13h00 - 15h00	<b>Lunch</b>	
		<i>Free Afternoon</i>
20h00	<b>Conference Dinner</b>	<i>In Hotel Tivoli Tejo near the underground station Oriente (red line)</i>



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Detailed Schedule  
(Continued)

FRIDAY, September 10

09h00 - 10h00		
10h00 - 11h00	<b>Pandharipande – III</b>	<i>Gromov-Witten theory in low dimensions</i>
11h00 - 11h30	<b>Coffee</b>	
11h30 - 12h10	<b>Aldrovandi</b>	<i>Hermitian-holomorphic 2-gerbes and tame symbols</i>
12h10 - 13h10	<b>van Moerbeke – III</b>	<i>Random permutations, random matrices and integrable systems</i>
13h10 - 15h00	<b>Lunch</b>	
15h00 - 16h00	<b>Mariño – II</b>	<i>Topological strings on Calabi-Yau geometries, integrable hierarchies and matrix models</i>
16h00 - 16h40	<b>Goettsche</b>	<i>Instanton counting and Donaldson invariants</i>
16h40 - 17h10	<b>Coffee</b>	
17h10 - 18h10	<b>Katz – II</b>	<i>ADE geometry and dualities</i>

SATURDAY, September 11

09h00 - 09h50	<b>Dubrovin</b>	<i>Frobenius manifolds and matrix models</i>
10h00 - 11h00	<b>van Moerbeke – IV</b>	<i>Random permutations, random matrices and integrable systems</i>
11h00 - 11h30	<b>Coffee</b>	
11h30 - 12h20	<b>Morozov</b>	<i>Matrix models partition functions and string theory</i>
12h20 - 13h10	<b>Pantev</b>	<i>Heterotic compactifications with fluxes</i>
13h10 - 15h00	<b>Lunch</b>	
15h00 - 16h00	<b>Katz – III</b>	<i>ADE geometry and dualities</i>
16h00 - 17h00	<b>Mariño – III</b>	<i>Topological strings on Calabi-Yau geometries, integrable hierarchies and matrix models</i>

SUNDAY, September 12

09h20 - 10h00	<b>Scheidegger</b>	<i>Higher genus topological string amplitudes</i>
10h00 - 11h00	<b>Mariño – IV</b>	<i>Topological strings on Calabi-Yau geometries, integrable hierarchies and matrix models</i>
11h00 - 11h30	<b>Coffee</b>	
11h30 - 12h20	<b>Mulase</b>	<i>Symplectic geometry of the moduli space of pointed algebraic curves</i>