

# Perspectives on Algebraic Varieties

Levico T. (Trento), September 6-11, 2010

## Tentative Timetable

	<b>Monday, 6/09</b>	<b>Tuesday, 7/09</b>	<b>Wednesday, 8/09</b>	<b>Thursday, 9/09</b>	<b>Friday, 10/09</b>	<b>Saturday, 11/09</b>
<b>9:00-9:50</b>	<b>KUZNETSOV</b>	<b>PARDINI</b>	<b>MUKAI</b>	<b>CILIBERTO</b>	<b>VAN GEEMEN</b>	<b>POPA</b>
<b>10:00-10:50</b>	<b>PIROLA</b>	<b>KEUM</b>	<b>VOISIN</b>	<b>CATANESE</b>	<b>FARKAS</b>	<b>OGUIO</b>
<b>11:00-11:30</b>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
<b>11:30-12:20</b>	<b>RUSSO</b>	<b>KONDO</b>	<b>TZENG</b>	<b>VERRA</b>	<b>MELLA</b>	
<b>13:00-15:00</b>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
<b>14:00</b>			<i>Excursion</i>			
<b>15:30-16:20</b>	<b>LOOIJENGA</b>	<b>BAUER</b>		<b>CHEN</b>	<b>DEBARRE</b>	
<b>16:30-17:00</b>	<i>Coffee Break</i>	<i>Coffee Break</i>		<i>Coffee Break</i>	<i>Coffee Break</i>	
<b>17:00-17:50</b>	<b>BOEHNING</b>	<b>SCHUETT</b>		<b>SHEPHERD-BARRON</b>		
<b>19:30</b>				<i>Social Dinner at G.H. Bellavista</i>		

### Monday, Sept. 6

- 09:00-09:50 Alexander KUZNETSOV (Steklov): *“Hochschild homology and cohomology of admissible subcategories”*
- 10:00-10:50 Gianpiero PIROLA (Pavia): *“Lagrangian surfaces”*
- 11:00-11:30 Coffee break
- 11:30-12:20 Francesco RUSSO (Catania): *“On irreducible projective varieties  $X^{r+1} \subset \mathbf{P}^N$  such that through  $n \geq 2$  general points there passes an irreducible curve of degree  $\delta$ ”*
- 13:00-15:00 Lunch break
- 15:30-16:20 Eduard LOOIJENGA (Utrecht): *“Representations out of polydifferentials and the KZ-system”*
- 16:30-17:00 Coffee break
- 17:00-17:50 Christian BÖHNING (Göttingen): *“Affine groups and levels of stable rationality”*

### Tuesday, Sept. 7

- 09:00-09:50 Rita PARDINI (Pisa): *“Curves on irregular surfaces”*
- 10:00-10:50 JongHae KEUM (KIAS): *“Toward a geometric construction of fake projective planes”*
- 11:00-11:30 Coffee break
- 11:30-12:20 Shigeyuki KONDO (Nagoya): *“The supersingular K3 surface with Artin invariant 1 in characteristic 2 and the Leech lattice”*
- 13:00-15:00 Lunch break
- 15:30-16:20 Ingrid BAUER (Bayreuth): *“Perspectives of algebraic surfaces with  $p_g=0$ ”*
- 16:30-17:00 Coffee break
- 17:00-17:50 Matthias SCHÜTT (Hannover): *“Arithmetic of singular Enriques surfaces”*

### Wednesday, Sept. 8

- 09:00-09:50 Shigeru MUKAI (RIMS Kyoto): *“Enriques surfaces of type E7”*
- 10:00-10:50 Claire VOISIN (Paris): *“Abel-Jacobi map, integral Hodge classes, and decomposition of the diagonal”*
- 11:00-11:30 Coffee break
- 11:30-12:20 Yu-jong TZENG (Stanford): *“Universal formulas for counting nodal curves on surfaces”*
- 13:00-15:00 Lunch break
- 14:00 Excursion

### Thursday, Sept. 9

- 09:00-09:50   Ciro CILIBERTO (Roma II): “*On Severi varieties of nodal curves on K3 surfaces*”  
10:00-10:50   Fabrizio CATANESE (Bayreuth): “*Special Galois coverings and the irreducibility of certain spaces of coverings of curves, with applications*”  
11:00-11:30   Coffee break  
11:30-12:20   Alessandro VERRA (Roma Tre): “*On the geometry of some moduli spaces related to curves in low genus*”  
13:00-15:00   Lunch break  
15:30-16:20   Meng CHEN (Fudan): “*Geography on 3-folds of general type*”  
16:30-17:00   Coffee break  
17:00-17:50   Olivier DEBARRE (ENS Paris): “*On nodal prime Fano threefolds of degree 10*”  
19:30           Social dinner at G. Hotel Bellavista

### Friday, Sept. 10

- 09:00-9:50    Bert VAN GEEMEN (Milano): “*Explicit moduli spaces of abelian varieties with automorphisms*”  
10:00-10:50   Gavril FARKAS (Berlin): “*Explicit geometry of moduli spaces of even spin curves*”  
11:00-11:30   Coffee break  
11:30-12:20   Massimiliano MELLA (Ferrara): “*The automorphism group of the moduli space of pointed rational curves*”  
13:00-15:00   Lunch break  
15:30-16:20   Nick SHEPHERD-BARRON (Cambridge): “*Exceptional loci in  $A_g$* ”  
16:30-17:00   Coffee break

### Saturday, Sept. 11

- 09:00-9:50    Mihnea POPA (Chicago): “*Derived equivalence and the Picard variety*”  
10:00-10:50   Keiji OGUISO (Osaka): “*Classifications and constructions of general singular fibers of proper holomorphic Lagrangian fibrations*”  
11:00-11:30   Coffee break  
12:00-14:00   Lunch break