

## Algebraic versus Analytic Geometry

November 19 - December 13, 2011

Scientific Committee: Herwig Hauser, János Kollár, Josef Schicho, Duco van Straten

- **Week 3: Minimal Model Program**  
**December 6 - 13, 2011**

Organizer: Niels Lubbes

**Tuesday, December 6, 2011**

**09:00 – 10:30: Kenji Matsuki**

*Overview on MMP*

**10:30 – 11:00: coffee break**

**11:00 – 12:30: Osamu Fujino**

*New outlook on MMP Part I*

**16:00 – 17:30: Problem session with speakers**

**Wednesday, December 7, 2011**

**11:00 – 12:30: Working groups, discussions, informal talks**

**16:00 – 17:00: Working groups, discussions, informal talks**

**Thursday, December 8, 2011**

**09:00 – 10:30: Kenji Matsuki**

*Outline of the proof of finite generation of the (multi-)canonical ring*

**10:30 – 11:00: coffee break**

**11:00 – 12:30: Paolo Cascini**

*Finite generation of the canonical ring (an overview)*

**16:00 – 17:30: Problem session with speakers**

**Friday, December 9, 2011**

**11:00 – 12:30: Working groups, discussions, informal talks**

**16:00 – 17:00: Working groups, discussions, informal talks**

**Saturday, December 10, 2011**

**09:00 – 10:30: Paolo Cascini**

*Lifting theorems: a new point of view*

**10:30 – 11:00: coffee break**

**11:00 – 12:30: Osamu Fujino**

*New outlook on MMP Part II*

**16:00 – 17:00: Niels Lubbes**

*MMP and minimal families*

**17:00 – 18:00: Josef Schicho**

*A problem on the Kodaira energy*

**Monday, December 12, 2011**

**09:00 – 10:30: Kenji Matsuki**

*Outline of the proof of the finite generation continued*

**10:30 – 11:00:** coffee break

**11:00 – 12:30: Paolo Cascini**

*Some applications, open problems, etc...*

**16:00 – 17:30: Vladimir Lazic**

*Finite generation and geography of models*

**Tuesday, December 13, 2011**

**09:00 – 10:30: Osamu Fujino**

*New outlook on MMP Part III*

**10:30 – 11:00:** coffee break

**11:00 – 12:30: Kenji Matsuki**

*Finite generation of the restriction ring and a lifting theorem*

**All lectures take place in the ESI Schrödinger Lecture Hall (except for Tuesday and Wednesday in Boltzmann Lecture Hall)**