

International Conference in Current Developments and New Directions in Kähler Geometry

June 26 – 30, 2017

Breakfast and refreshments – Lounge (257 Hurley)

Lectures – 127 Hayes Healy

Monday June 26

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| 8.30 | <i>Breakfast</i> | |
| 9 - 9.50 | Henri Guenancia (Stony Brook) | <i>The Miyaoka-Yau inequality for minimal models</i> |
| 10.10 - 11 | Eleonora Di Nezza (Imperial College) | <i>The space of Kähler metrics on singular varieties</i> |
| 11.30 - 12.20 | Bin Guo (Columbia) | <i>Geometric estimates for complex Monge-Ampere equation</i> |
| | <i>Lunch</i> | |
| 2.30 - 3.20 | Gang Liu (Northwestern) | <i>On Yau's uniformization conjecture</i> |
| 3.40 - 4.30 | Sebastien Picard (Columbia) | <i>The Hull-Strominger system on fibrations over a Riemann surface</i> |
| 4:45 | <i>Reception – Jordan Hall Reading Room</i> | |

Tuesday June 27

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|---------------|----------------------------------|--------------------------------------------------------------------------|
| 8.30 | <i>Breakfast</i> | |
| 9 - 9.50 | Song Sun (Stony Brook) | <i>Singularities in Kähler geometry</i> |
| 10.10 - 11 | Ruadhai Dervan (Cambridge) | <i>Relative K-stability for Kähler manifolds</i> |
| 11.30 - 12.20 | Michela Zedda (Salento) | <i>Projectively induced Kähler-Einstein metrics</i> |
| | <i>Lunch</i> | |
| 2.30 – 3.20 | Valentino Tosatti (Northwestern) | <i>$C^{1,1}$ estimates for complex Monge-Ampere equations</i> |
| 3.40 - 4.30 | Xiangwen Zhang (UC Irvine) | <i>The Anomaly flow and Hull-Strominger system</i> |

Wednesday June 28

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| 8.30 | Breakfast | |
| 9 - 9.50 | Sławomir Kołodziej (Jagellonian) | <i>Monge-Ampere and Hessian equations on compact Hermitian manifolds</i> |
| 10.10 - 11 | Eveline Legendre (Toulouse) | <i>Some applications of the Duistermaat-Heckman localization formula in Sasaki geometry</i> |
| 11.30 - 12.20 | Gregory Edwards (Northwestern) | <i>Metric contraction of the cone divisor by the conical Kähler-Ricci flow</i> |
| | <i>Sandwich lunch buffet in the Lounge</i> | |
| 1 – 9.30pm | <i>Weather permitting: Trip to Warren Dunes and New Buffalo. Meet at 1pm, outside McKenna Hall. Please sign up in the Lounge if interested.</i> | |

Thursday June 29

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|---------------|-------------------------------------------------------|-------------------------------------------------------------------------------|
| 8.30 | Breakfast | |
| 9 - 9.50 | Heather Macbeth (MIT) | <i>Kähler-Ricci solitons on crepant resolutions</i> |
| 10.10 - 11 | Cristiano Spotti (Aarhus) | <i>Explicit degenerations of Kähler-Einstein Fano manifolds</i> |
| 11.30 - 12.20 | Daniele Angella (Florence) | <i>Special Hermitian non-Kähler metrics</i> |
| | <i>Lunch</i> | |
| 2.30 - 3.20 | David Witt Nyström (Gothenburg) | <i>Restricted volumes of big classes and deformations of Kähler manifolds</i> |
| 3.40 - 4.30 | Thibaut Delcroix (ENS, Paris) | <i>K-stability of Fano spherical varieties</i> |
| 5.00 | <i>Conference dinner – South Dining Hall Oak Room</i> | |

Friday June 30

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|---------------|---------------------------------------|------------------------------------------------------------------------------|
| 9 - 9.50 | Tamas Darvas (Maryland) | <i>Complex Monge-Ampere equations with prescribed singularity type</i> |
| 10.10 - 11 | Tommy Murphy (CSU Fullerton) | <i>Complex Riemannian foliations of Kähler manifolds</i> |
| 11.20 - 12.10 | Zakarias Sjöström Dyrefelt (Toulouse) | <i>K-stability and Kähler manifolds with transcendental cohomology class</i> |