MIST IV: Mathematics Inspired by String Theory 4th Workshop & Lecture Series

Jointly organized by The Institute of Mathematical Sciences & Department of Mathematics, CUHK

April 5th - May 4th, 2016

5/F, Academic Building No. 1 [AB1], The Chinese University of Hong Kong

April 5 (Tuesda 10:00 - 11:00	<u>ay)</u> [502a]	Ronan Conlon: Non-compact Calabi-Yau manifolds
April 6 (Wedne 10:00 - 11:00 14:30 - 15:00 15:00 - 17:00	esday) [502a] [5B] [502a]	Ronan Conlon: Asymptotically conical Calabi-Yau manifolds I TEA Weiwei Wu: Lagrangian Floer theory I
April 7 (Thurso 10:00 - 11:00 15:00 - 16:00 16:00 - 16:30 16:30 - 17:00	lay) [<u>501a]</u> [<u>501a]</u> [5B] [<u>501a]</u>	Ronan Conlon: Asymptotically conical Calabi-Yau manifolds II Si Li: BV quantization and geometric applications I TEA Ryosuke Takahashi: The moduli space of Z ₂ harmonic spinors
April 8 (Friday 10:00 - 11:00 15:00 - 16:00) [502a] [502a]	Ronan Conlon: Asymptotically conical Calabi-Yau manifolds III Conan Leung: Geometry & Topology, an introduction I (for undergraduate)
April 11 (Mone 09:30 - 10:30 11:00 - 12:00	day) [502a] [502a]	Yong Wei: Introduction of G2 structures Si Li: BV quantization and geometric applications II
April 12 (Tueso 09:30 - 10:30 10:30 - 11:00 11:00 - 12:00 14:00 - 16:00 16:00 - 16:30 16:30 - 17:00 17:00 - 17:30 18:30	day) [502a] [5B] [502a] [501a] [5B] [501a] [501a]	Yong Wei: Laplacian flow for closed G2 structures, I TEA Weiwei Wu: Lagrangian Floer theory II Yanki Lekili: Koszul duality in Floer theory TEA Yalong Cao: Counting coherent sheaves on Calabi-Yau 4-folds Yi Zhang: SYZ transformations for coisotropic A-branes BANQUET

April 13 (Wednesday) 09:30 - 10:30 [502a] 10:30 - 11:00 [5B] 11:00 - 12:00 [502a] 15:00 - 17:00 [502a]	Yong Wei: Laplacian flow for closed G2 structures, II TEA Yanki Lekili: Generating Hamiltonian 6-manifolds Laurentiu George Maxim: Topology of singularities I
April 14 (Thursday) 09:30 - 11:30 [501a] 14:00 - 14:30 [5B] 14:30 - 16:30 [501a]	Laurentiu George Maxim: Topology of singularities II TEA Weiwei Wu: Lagrangian Floer theory III
April 15 (Friday) 15:00 - 16:00 [502a]	Conan Leung: Geometry & Topology, an introduction II (for undergraduate)
April 18 (Monday) 09:30 - 11:30 [502a]	Laurentiu George Maxim: Topology of singularities III
April 20 (Wednesday) 09:30 - 10:30 [502a] 10:30 - 11:00 [5B] 11:00 - 12:00 [502a] 14:30 - 15:30 [502a] 15:30 - 16:00 [5B] 16:00 - 16:30 [502a]	Weiwei Wu: Dehn twists exact sequences through Lagrangian cobordism TEA Weiyi Zhang: J-holomorphic subvarieties Laurentiu George Maxim: Cohomology representations of external and symmetric products of varieties TEA Hansol Hong: Noncommutative mirror functors
April 21 (Thursday) 09:30 - 10:30 [501a] 10:30 - 11:00 [5B] 11:00 - 12:00 [501a] 14:30 - 15:00 [501a] 15:00 - 15:30 [5B] 15:30 - 16:00 [501a] 18:30	Miles Anthony Reid: Finite subgroups of SL(2,CC) and SL(3,CC) and their role in algebraic geometry <i>TEA</i> Jiajin Zhang: Bundles over rational surfaces and degenerate elliptic curves Qingyuan Jiang: A Generalization of Homological Projective Duality <i>TEA</i> Ying Xie: Mirror symmetry for cubic fourfolds <i>BANQUET</i>
April 22 (Friday) 14:00 - 15:00 [502a]	Conan Leung: Geometry & Topology, an introduction III (for undergraduate)

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April 25 (Monday)

09:30 - 11:30	[502a]	Laurentiu George Maxim: Topology of singularities IV
14:00 - 16:00	[LSB222]	Dr. Roland ABUAF: Homological Units
16:00 - 17:30	[5B]	Cocktail party

April 26 (Tuesday)

14:30 - 16:30 [501a] **Weiwei Wu**: Lagrangian Floer theory IV

April 27 (Wednesday)

09:30 - 11:30	[502a]	Laurentiu George Maxim : Topology of singularities V
14:00 - 14:30	[5B]	TEA
14:30 - 16:30	[502a]	Weiwei Wu: Lagrangian Floer theory V

April 28 (Thursday)

09:30 - 11:30	[<u>501a</u>]	Laurentiu George Maxim: Topology of singularities VI
14:00 - 14:30	[5B]	TEA
14:30 - 16:30	[501a]	Weiwei Wu: Lagrangian Floer theory VI

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