

Enumerative Geometry and Geometric Representation Theory

Report of Contributions

Contribution ID: 1

Type: **not specified**

Donaldson–Thomas Theory, Flow Trees and Log Gromov–Witten Invariants

Monday, June 23, 2025 10:00 AM (1 hour)

Presenter: BOUSSEAU, Pierrick (University of Georgia, USA, and CNRS, France)

Contribution ID: 2

Type: **not specified**

Donaldson–Thomas Theory, Flow Trees and Log Gromov–Witten Invariants

Monday, June 23, 2025 11:30 AM (1 hour)

Presenter: BOUSSEAU, Pierrick (University of Georgia, USA, and CNRS, France)

Contribution ID: 3

Type: **not specified**

Logarithmic Gromov-Witten invariants and its application to mirror symmetry

Monday, June 23, 2025 3:00 PM (1 hour)

Presenter: SIEBERT, Bernd (The University of Texas at Austin, USA)

Contribution ID: 4

Type: **not specified**

From quantum cohomology of symplectic resolutions to compactifications of families of Gaudin algebras

Monday, June 23, 2025 4:30 PM (1 hour)

Presenter: KAMNITZER, Joel (McGill University, Montreal, Canada)

Contribution ID: 5

Type: **not specified**

Donaldson–Thomas Theory, Flow Trees and Log Gromov–Witten Invariants

Tuesday, June 24, 2025 3:00 PM (1 hour)

Presenter: BOUSSEAU, Pierrick (University of Georgia, USA, and CNRS, France)

Contribution ID: 6

Type: **not specified**

Logarithmic Gromov-Witten invariants and its application to mirror symmetry

Tuesday, June 24, 2025 11:30 AM (1 hour)

Presenter: SIEBERT, Bernd (The University of Texas at Austin, USA)

Contribution ID: 7

Type: **not specified**

From quantum cohomology of symplectic resolutions to compactifications of families of Gaudin algebras

Tuesday, June 24, 2025 10:00 AM (1 hour)

Presenter: KAMNITZER, Joel (McGill University, Montreal, Canada)

Contribution ID: 8

Type: **not specified**

Exercise Session: Calculating quiver DT/log Gromov-Witten invariants in higher dimensions

Tuesday, June 24, 2025 4:30 PM (1 hour)

Presenter: ARGÜZ, Hülya (University of Georgia, USA)

Contribution ID: 9

Type: **not specified**

Exercise Session: The BFN construction of Coulomb branches, symplectic duality, and affine Grassmannians slices

Tuesday, June 24, 2025 4:30 PM (1 hour)

Presenter: MUTHIAH, Dinakar (University of Glasgow, UK)

Contribution ID: **10**

Type: **not specified**

Exercise Session: The tropical geometry of the moduli space of log smooth curves

Tuesday, June 24, 2025 4:30 PM (1 hour)

Presenter: JOHNSTON, Samuel (Imperial College London, UK)

Contribution ID: 11

Type: **not specified**

From quantum cohomology of symplectic resolutions to compactifications of families of Gaudin algebras

Wednesday, June 25, 2025 10:00 AM (1 hour)

Presenter: KAMNITZER, Joel (McGill University, Montreal, Canada)

Contribution ID: 12

Type: **not specified**

Logarithmic Gromov-Witten invariants and its application to mirror symmetry

Wednesday, June 25, 2025 11:30 AM (1 hour)

Presenter: SIEBERT, Bernd (The University of Texas at Austin, USA)

Contribution ID: 13

Type: **not specified**

From quantum cohomology of symplectic resolutions to compactifications of families of Gaudin algebras

Thursday, June 26, 2025 3:00 PM (1 hour)

Presenter: KAMNITZER, Joel (McGill University, Montreal, Canada)

Contribution ID: 14

Type: **not specified**

Donaldson–Thomas Theory, Flow Trees and Log Gromov–Witten Invariants

Thursday, June 26, 2025 10:00 AM (1 hour)

Presenter: BOUSSEAU, Pierrick (University of Georgia, USA, and CNRS, France)

Contribution ID: 15

Type: **not specified**

Logarithmic Gromov-Witten invariants and its application to mirror symmetry

Thursday, June 26, 2025 11:30 AM (1 hour)

Presenter: SIEBERT, Bernd (The University of Texas at Austin, USA)

Contribution ID: 16

Type: **not specified**

From quantum cohomology of symplectic resolutions to compactifications of families of Gaudin algebras

Friday, June 27, 2025 3:00 PM (1 hour)

Presenter: KAMNITZER, Joel (McGill University, Montreal, Canada)

Contribution ID: 17

Type: **not specified**

Donaldson–Thomas Theory, Flow Trees and Log Gromov–Witten Invariants

Friday, June 27, 2025 11:30 AM (1 hour)

Presenter: BOUSSEAU, Pierrick (University of Georgia, USA, and CNRS, France)

Contribution ID: **18**

Type: **not specified**

Logarithmic Gromov-Witten invariants and its application to mirror symmetry

Friday, June 27, 2025 10:00 AM (1 hour)

Presenter: SIEBERT, Bernd (The University of Texas at Austin, USA)

Contribution ID: 19

Type: **not specified**

Exercise Session: Calculating quiver DT/log Gromov-Witten invariants in higher dimensions

Thursday, June 26, 2025 4:30 PM (1 hour)

Presenter: ARGÜZ, Hülya (University of Georgia, USA)

Contribution ID: 20

Type: **not specified**

Exercise Session: The tropical geometry of the moduli space of stable log maps

Thursday, June 26, 2025 4:30 PM (1 hour)

Presenter: JOHNSTON, Samuel (Imperial College London, UK)

Contribution ID: 21

Type: **not specified**

Exercise Session: The BFN construction of Coulomb branches, symplectic duality, and affine Grassmannians slices

Thursday, June 26, 2025 4:30 PM (1 hour)

Presenter: MUTHIAH, Dinakar (University of Glasgow, UK)

Contribution ID: 22

Type: **not specified**

Research Session: Kac-Moody affine Grassmannian slices

Friday, June 27, 2025 4:30 PM (1 hour)

Presenter: MUTHIAH, Dinakar (University of Glasgow, UK)

Contribution ID: 23

Type: **not specified**

Research Session: Quantum periods, toric degenerations and intrinsic mirror symmetry

Friday, June 27, 2025 4:30 PM (1 hour)

Presenter: JOHNSTON, Samuel (Imperial College London, UK)

Contribution ID: 24

Type: **not specified**

Research Session: Non-toric brane webs, Calabi-Yau 3-folds, and 5d SCFTs

Friday, June 27, 2025 4:30 PM (1 hour)

Presenter: ARGÜZ, Hülya (University of Georgia, USA)

Contribution ID: 25

Type: **not specified**

Cohomological Hall algebras of sheaves on surfaces and applications

Tuesday, July 1, 2025 10:00 AM (1 hour)

Presenter: SCHIFFMANN, Olivier (CNRS and Université de Paris-Saclay, France)

Contribution ID: 26

Type: **not specified**

Cohomological Hall algebras of sheaves on surfaces and applications

Tuesday, July 1, 2025 11:30 AM (1 hour)

Presenter: SCHIFFMANN, Olivier (CNRS and Université de Paris-Saclay, France)

Contribution ID: 27

Type: **not specified**

Cohomological Hall algebras of sheaves on surfaces and applications

Wednesday, July 2, 2025 10:00 AM (1 hour)

Presenter: SCHIFFMANN, Olivier (CNRS and Université de Paris-Saclay, France)

Contribution ID: 28

Type: **not specified**

Cohomological Hall algebras of sheaves on surfaces and applications

Thursday, July 3, 2025 11:30 AM (1 hour)

Presenter: SCHIFFMANN, Olivier (CNRS and Université de Paris-Saclay, France)

Contribution ID: 29

Type: **not specified**

Cohomological Hall algebras of sheaves on surfaces and applications

Friday, July 4, 2025 11:30 AM (1 hour)

Presenter: SCHIFFMANN, Olivier (CNRS and Université de Paris-Saclay, France)

Contribution ID: **30**

Type: **not specified**

Decomposition Theorem for abelian fibrations

Monday, June 30, 2025 10:00 AM (1 hour)

Presenter: SHEN, Junliang (Yale University, USA)

Contribution ID: 31

Type: **not specified**

Decomposition Theorem for abelian fibrations

Monday, June 30, 2025 11:30 AM (1 hour)

Presenter: SHEN, Junliang (Yale University, USA)

Contribution ID: 32

Type: **not specified**

Decomposition Theorem for abelian fibrations

Tuesday, July 1, 2025 3:00 PM (1 hour)

Presenter: SHEN, Junliang (Yale University, USA)

Contribution ID: 33

Type: **not specified**

Decomposition Theorem for abelian fibrations

Thursday, July 3, 2025 10:00 AM (1 hour)

Presenter: SHEN, Junliang (Yale University, USA)

Contribution ID: 34

Type: **not specified**

Decomposition Theorem for abelian fibrations

Friday, July 4, 2025 10:00 AM (1 hour)

Presenter: SHEN, Junliang (Yale University, USA)

Contribution ID: 35

Type: **not specified**

Categorical Donaldson-Thomas theory and the Dolbeault geometric Langlands conjecture

Monday, June 30, 2025 3:00 PM (1 hour)

Presenter: TODA, Yukinobu (Kavli IPMU, the University of Tokyo, Japan)

Contribution ID: 36

Type: **not specified**

Categorical Donaldson-Thomas theory and the Dolbeault geometric Langlands conjecture

Monday, June 30, 2025 4:30 PM (1 hour)

Presenter: TODA, Yukinobu (Kavli IPMU, the University of Tokyo, Japan)

Contribution ID: 37

Type: **not specified**

Categorical Donaldson-Thomas theory and the Dolbeault geometric Langlands conjecture

Wednesday, July 2, 2025 11:30 AM (1 hour)

Presenter: TODA, Yukinobu (Kavli IPMU, the University of Tokyo, Japan)

Contribution ID: 38

Type: **not specified**

Categorical Donaldson-Thomas theory and the Dolbeault geometric Langlands conjecture

Thursday, July 3, 2025 3:00 PM (1 hour)

Presenter: TODA, Yukinobu (Kavli IPMU, the University of Tokyo, Japan)

Contribution ID: 39

Type: **not specified**

Categorical Donaldson-Thomas theory and the Dolbeault geometric Langlands conjecture

Friday, July 4, 2025 3:00 PM (1 hour)

Presenter: TODA, Yukinobu (Kavli IPMU, the University of Tokyo, Japan)

Contribution ID: 40

Type: **not specified**

Exercise Session: Intersection cohomology and decomposition theorem, examples and exercises.

Tuesday, July 1, 2025 4:30 PM (1 hour)

Presenter: FELISETTI, Camilla (Università di Modena e Reggio Emilia)

Contribution ID: 41

Type: **not specified**

Exercise Session: Weak abelian fibrations, examples and exercises.

Thursday, July 3, 2025 4:30 PM (1 hour)

Presenter: FELISETTI, Camilla (Università di Modena e Reggio Emilia)

Contribution ID: 42

Type: **not specified**

Research Session: Decomposition theorem for abelian fibrations, examples and exercises.

Friday, July 4, 2025 4:30 PM (1 hour)

Presenter: FELISETTI, Camilla (Università di Modena e Reggio Emilia)

Contribution ID: 43

Type: **not specified**

Exercise Session: Vanishing cycles and cohomology of stacks

Tuesday, July 1, 2025 4:30 PM (1 hour)

Presenter: PĂDURARIU, Tudor (CNRS and Sorbonne Université, France)

Contribution ID: 44

Type: **not specified**

Exercise Session: Semiorthogonal decompositions

Thursday, July 3, 2025 4:30 PM (1 hour)

Presenter: PĂDURARIU, Tudor (CNRS and Sorbonne Université, France)

Contribution ID: 45

Type: **not specified**

Research Session: Semiorthogonal decompositions for categories of coherent sheaves on certain singular stacks

Friday, July 4, 2025 4:30 PM (1 hour)

Presenter: PĂDURARIU, Tudor (CNRS and Sorbonne Université, France)

Contribution ID: 46

Type: **not specified**

Exercise Session: Examples of cohomological Hall algebras

Tuesday, July 1, 2025 4:30 PM (1 hour)

Presenter: HENNECART, Lucien (University of Edinburgh, UK)

Contribution ID: 47

Type: **not specified**

Exercise Session: Tools to study cohomological Hall algebras

Thursday, July 3, 2025 4:30 PM (1 hour)

Presenter: HENNECART, Lucien (University of Edinburgh, UK)

Contribution ID: 48

Type: **not specified**

Research Session: BPS Lie algebras and generalized Kac–Moody Lie algebras

Friday, July 4, 2025 4:30 PM (1 hour)

Presenter: HENNECART, Lucien (University of Edinburgh, UK)

Contribution ID: 51

Type: **not specified**

Gong Show: Wheel conditions for reductive groups

Wednesday, June 25, 2025 12:40 PM (15 minutes)

Presenter: GUBAREVICH, Danil (Université de Paris-Saclay, France)

Contribution ID: 52

Type: **not specified**

Gong Show: Mirror symmetry for ADE resolutions

Wednesday, June 25, 2025 12:55 PM (15 minutes)

Presenter: MA, Jingxiang (University of Sheffield, UK)

Contribution ID: 53

Type: **not specified**

Gong Show: Parameter spaces for quantum cohomology

Wednesday, June 25, 2025 1:10 PM (15 minutes)

Presenter: PETERS, Jeremy (University of Toronto, Canada)

Contribution ID: 54

Type: **not specified**

Gong Show: Some symmetries of Hausel's big algebras

Wednesday, July 2, 2025 1:10 PM (15 minutes)

Presenter: ELKNER, Mischa (IST, Austria)

Contribution ID: 55

Type: **not specified**

Gong Show: Quantum groups from Cohomological DT theory

Wednesday, July 2, 2025 12:40 PM (15 minutes)

Presenter: JINDAL, Shivang (University of Edinburgh, UK)

Contribution ID: 56

Type: **not specified**

Gong Show: CoHAs of Torsion Sheaves on Weighted Projective Lines

Wednesday, July 2, 2025 12:55 PM (15 minutes)

Presenter: PEERENBOOM, Timm (Ruhr-Universität Bochum, Germany)