



National Center for Theoretical Sciences

Taipei Conference on Representation Theory VII

Dec. 18 - 22, 2023

5F, Cosmology Building, NTU Campus

Invited Speakers

Andrea Appel (University of Parma)
Tomoyuki Arakawa (RIMS)
Roman Bezrukavnikov (MIT)
Jon Brundan (University of Oregon)
Kei Yuen Chan (University of Hong Kong)
Chih-Whi Chen (National Central University)
Kevin Coulembier (University of Sydney)
Ben Davison (University of Edinburgh)
Gurbir Dhillon (Yale University)
Xuhua He (University of Hong Kong)
Myungho Kim (Kyung Hee University)
Jae-Hoon Kwon (Seoul National University)
Ivan Losev (Yale University)
Ming Lu (Sichuan University)
George Lusztig (MIT)
Lucas Mason-Brown (University of Oxford)
David Nadler (Berkeley)
Shu-Yen Pan (National Tsinghua University)
You Qi (University of Virginia)
Cheng-Chiang Tsai (AS)
Weiqiang Wang (University of Virginia)
Hideya Watanabe (Osaka Metropolitan University)

Organizers

Shun-Jen Cheng (AS)
Weiqiang Wang (University of Virginia)

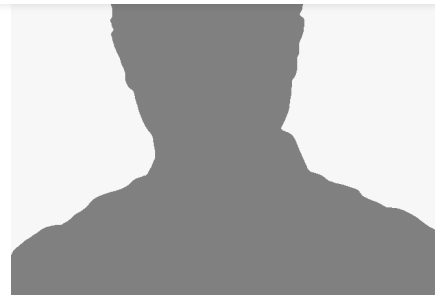
Contact

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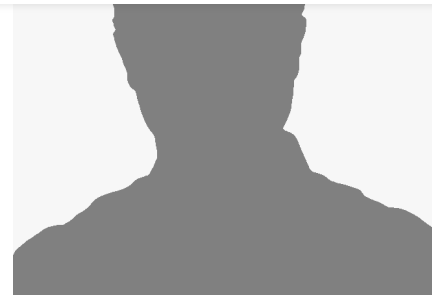


**Andrea Appel**

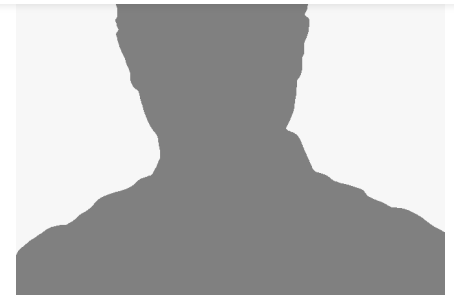
University of Parma

The R-matrix of the affine Yangian**Tomoyuki Arakawa**

RIMS

Symplectic singularities and vertex algebras**Roman Bezrukavnikov**

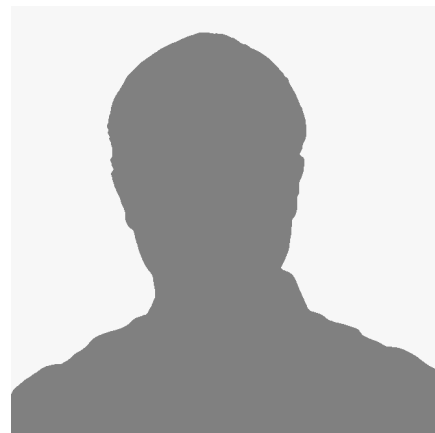
MIT

Asymptotic Hecke algebra and harmonic analysis.**Jon Brundan**

University of Oregon

The nil-Brauer category and singular Soergel bimodules**Kei Yuen Chan**

University of Hong Kong

Pieri's rule for affine Hecke algebras of type A and minimal sequences of derivatives**Chih-Whi Chen**

National Central University

Kostant's problem for Whittaker modules over Lie algebras and Lie superalgebras**Kevin Coulembier**

University of Sydney

N-spherical functors and tensor categories**Ben Davison**

University of Edinburgh

Yangians and Kac polynomials**Gurbir Dhillon**

Yale University

The Fundamental Local Equivalence (FLE) and the W-algebra**Myungho Kim**

Kyung Hee University

Affinizations and reflection functors**Jae-Hoon Kwon**

Seoul National University

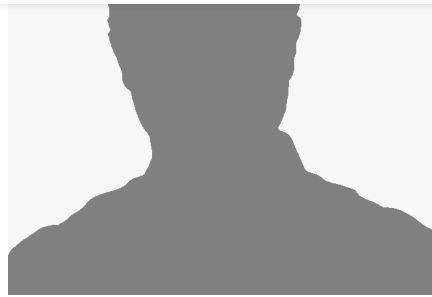
Fusion construction for quantum affine superalgebras**Xuhua He**

University of Hong Kong

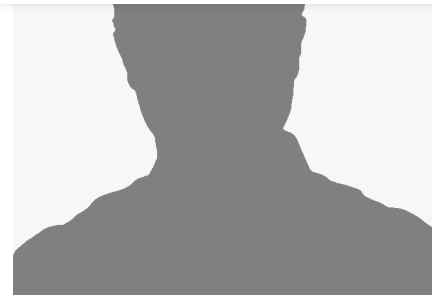
Newton decompositions on the quotient stack of loop groups

**Ivan Losev**

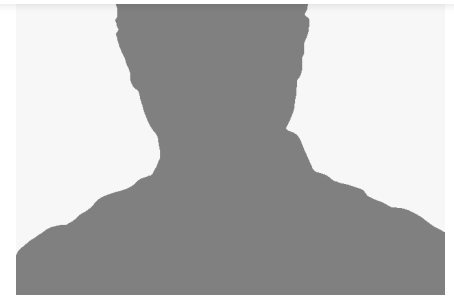
Yale University

Quantum category O vs affine Hecke category.**Ming Lu**

Sichuan University

 U_q Quantum loop algebras and weighted projective lines**George Lusztig (online)**

MIT

Indexing of Weyl group representations by pairs of groups.**Lucas Mason-Brown**

University of Oxford

Unipotent representations are unitary**David Nadler**

University of California, Berkeley

Functions on commuting stacks**Shu-Yen Pan**

National Tsinghua University

On the unicity and ambiguity of Lusztig parametrizations for finite classical groups**You Qi**

University of Virginia

A categorification of the colored Jones polynomial at a prime root of unity**Cheng-Chiang Tsai**

Academia Sinica

Wave-front sets for p -adic Lie algebras**Weiqiang Wang**

University of Virginia

Affine i -quantum groups and Steinberg varieties**Hideya Watanabe**

Osaka Metropolitan University

RECENT PROGRESS ON CRYSTAL BASE THEORY FOR QUANTUM SYMMETRIC PAIRS

Taipei Conference on Representation Theory 2023

December 18 (Monday)-December 22 (Friday), 2023

Venue: Room 515, 5F, Cosmology Building, NTU

	Dec. 18 (Mon.)	Dec. 19 (Tue.)	Dec. 20 (Wed.)	Dec. 21 (Thur.)	Dec. 22 (Fri.)
8:50 - 9:15	Registration				
9:15 - 9:20	Opening				
9:30 - 10:30	Ming Lu	Jon Brundan	Lucas Mason-Brown	David Nadler	Jae-Hoon Kwon
10:30 - 11:00	Tea Break	Tea Break	Tea Break	Tea Break	Tea Break
11:00 - 12:00	George Lusztig (online)	Weiqiang Wang	Ivan Losev	Roman Bezrukavnikov	You Qi
12:00 - 13:30	Lunch	Lunch	Lunch	Lunch	Lunch
13:30 - 14:30	Kei Yuen Chan	Ben Davison	Xuhua He	Tomoyuki Arakawa	Say good-bye
14:30 - 15:00	Tea Break	Tea Break	Tea Break	Tea Break	
15:00 - 16:00	Chih-Whi Chen	Hideya Watanabe	Andrea Appel	Myungho Kim	
16:00 - 16:20	Tea Break	Tea Break	Tea Break	Tea Break	
16:20 - 17:20	Kevin Coulembier	Cheng-Chiang Tsai	Shu-Yen Pan	Gurbir Dhillon	
17:30 -	Reception (at Institute of Mathematics)				