

Harish-Chandra Research Institute, Allahabad
Conference on “Infinite Dimensional Lie Theory and its Applications”

Venue : Auditorium

December 15, 2014

Registration & Welcome: 09:00 AM

Session I

Chair Person: Drazen Adamovic

09:30 – 10:30	Vyacheslav Futorny (Universidade de São Paulo, Brazil) Title: Quantization of the shift of argument subalgebras in type A.
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TEA BREAK: 10:30 – 10:45

10:45 – 11:45	Hiroyuki Yamane (University of Toyama, Japan) Title: Representation theory of generalized quantum groups
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TEA BREAK: 11:45 – 12:00

12:00 – 01:00	R. Venkatesh (TIFR Mumbai) Title: Chromatic polynomials of graphs from Kac-Moody algebras.
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LUNCH BREAK: 01:00 – 02:30

Session II

Chair Person: Hiroyuki Yamane

02:30 – 03:30	Sachin Sharma (TIFR Mumbai) Title: Integrable modules for Lie torus.
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TEA BREAK: 03:30 – 03:45

03:45 – 04:45	Sergey Loktev (University Higher School of Economics, Faculty of Mathematics, Russia) Title: Weyl modules over multi-variable currents.
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Venue : Auditorium

December 16, 2014

Session I

Chair Person: Vyacheslav Futorny

09:30 – 10:30	Yuly Billig (Carleton University, Ottawa, Canada) Title: Proof of Rao's conjecture on classification of simple modules for the Lie algebra of vector fields.
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TEA BREAK: 10:30 – 10:45

10:45 – 11:45	Saeid Azam (University of Isfahan, Iran) Title: Finite dimensional unitary Lie superalgebras.
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TEA BREAK: 11:45 – 12:00

12:00 – 01:00	Drazen Adamovic (University of Zagreb, Croatia) Title: Vertex algebras and Whittaker modules for affine Lie algebras.
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LUNCH BREAK: 01:00 – 02:30

Session II

Chair Person: Saeid Azam

02:30 – 03:30	Tanusree Khandai (NISER, Bhubaneswar) Title: A categorical approach towards Weyl Modules.
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TEA BREAK: 03:30 – 03:45

03:45 – 04:45	Hiroshi Yamauchi (Tokyo Woman's Christian University, Japan) Title: Sporadic finite simple groups and Conway-Miyamoto correspondence.
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Venue : Auditorium

December 17, 2014

Session I

Chair Person: Yuly Billig

09:30 – 10:30	Kailash C. Misra (University Raleigh, North Carolina, USA) Title: On Tensor Product Decomposition of $\widehat{\mathfrak{sl}}(n)$ Modules and Identities.
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TEA BREAK: 10:30 – 10:45

10:45 – 11:45	Apoorva Khare (Stanford University, USA) Title: Faces and supports of highest weight modules.
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TEA BREAK: 11:45 – 12:00

12:00 – 01:00	Malihe Yousofzadeh (University of Isfahan, Iran) Title: Root Graded Lie Superalgebras
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LUNCH: 01:00 – 02:30

Session II

Chair Person: Kailash C. Misra

03:45 – 04:45	Yuly Billig (Carleton University, Ottawa, Canada) Title: S. E. Rao's contribution to Representation Theory.
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December 18, 2014

EXCURSION



Harish-Chandra Research Institute, Allahabad
Conference on “Infinite Dimensional Lie Theory and its Applications”

Venue : Auditorium

December 19, 2014

Session I

Chair Person: Michael Lau

10:45 – 11:45	Gordan Radobolja (University of Split, Croatia) Title: Application of VOA to representation theory of $W_{\infty}(2,2)$ \mathcal{H} -algebra and the twisted Heisenberg-Virasoro algebra.
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TEA BREAK: 11:45 – 12:00

12:00 – 01:00	Yanan Lin (Xiamen University, China) Title: From Tubular Algebras to Elliptic Lie Algebras.
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LUNCH: 01:00 – 02:30

Harish-Chandra Research Institute, Allahabad
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Venue : Auditorium

December 20, 2014

Session I

Chair Person: Yanan Lin

09:30 – 10:30	Shaobin Tan (Xiamen University, China) Title: Module categories for toroidal Lie algebras.
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TEA BREAK: 10:30 – 10:45

10:45 – 11:45	Michael Lau (Université Laval, Canada) Title: Representations of current algebras and their twisted analogues.
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TEA BREAK: 11:45 – 12:00

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