

## PROGRAMME, 17-23 DECEMBER 2006

Lectures on all days except Wednesday will be held in Room 1, Zyskind building, the Weizmann Institute of Science, Rehovot.

### SUNDAY, 17 DECEMBER 2006

17:00-19:30 Buffet Reception, Faculty Room, Zyskind building, the Weizmann Institute of Science.

### MONDAY, 18 DECEMBER 2006

9:00-10:20 Registration and refreshments, hall adjacent to Room 1.

10:20-10:30 Opening

10:30-11:30 **A. Alekseev**, Geneva

*The Campbell-Hausdorff formula and the Kashiwara-Vergne conjecture.*

11:40-12:40 **M. Nazarov**, York

*Extremal cocycles on Weyl groups and the reflection equation.*

13:00-14:30 Lunch, San Martin

14:40-15:30 **U. Onn**, Jerusalem

*Representations of automorphism groups of finite modules.*

15:40-16:30 **A. Szenes**, Budapest

*Hyperplane arrangements and the cohomology of representation varieties*

16:30-17:10 Refreshments, Faculty Room.

17:10-18:00 **C. Hoyt**, Berkeley

*Finite-growth general Kac-Moody superalgebras.*

### TUESDAY, 19 DECEMBER 2006

9:00-10:00 **A. Premet**, Manchester

*Symmetric invariants of centralizers in reductive Lie algebras.*

10:00-10:40 Refreshments, Faculty Room.

10:40-11:40 **I. Penkov**, Bremen

*Towards a structure theory for infinite dimensional matrix algebras.*

11:50-12:50 **B. Kostant**, Boston

*On Maximal Poisson commutative subalgebras of  $S(\mathfrak{g})$  and corresponding Darboux coordinates on any reductive Lie algebra  $\mathfrak{g}$ .*

13:00-14:30 Lunch, San Martin

Participants may wish to attend the lecture of R. P. Kirsher "The Accelerating Universe" to be held from 15:00 to 16:00 in the Dolfi and Lola Ebner Auditorium, on campus.

16:30- 17:30 **V. Kac**, Boston

*Linearly Compact Superalgebras.*

17:40-18:30 **B. Noyvert**, York

*$\mathbb{Z}_2 \times \mathbb{Z}_2$  graded superconformal algebras of parafermionic type.*

#### WEDNESDAY, 20 DECEMBER 2006 AT HAIFA UNIVERSITY

8:30-10:30 Bus from San Martin, Weizmann Institute to Haifa University.

10:30-11:00 Coffee

11:00-11:50 **K. Baur**, Leicester

*A geometric construction of  $m$ -cluster categories.*

12:00-13:00 **M. Duflo**, Paris

*Branching rules for discrete series of Lie groups and moment maps.*

13:00-14:15 Lunch

14:15-15:05 **C. Stroppel**, Glasgow

*Perverse sheaves on Grassmannians: a diagrammatical description and the relation to Springer fibres.*

15:05-16:30 A tour of the university including Hecht Museum and a wonderful view of Haifa from the top of the main building.

16:30 Reception

Bus from Haifa University to San Martin, Weizmann Institute.

## THURSDAY, 21 DECEMBER 2006

9:00-10:00 **Y. Bazlov**, Warwick

*Commutator doubles.*

10:00-10:40 Refreshments, Faculty Room.

10:40-11:40 **I. Heckenberger**, Leipzig

*Classification of Nichols algebras of diagonal type.*

11:50-12:50 **J. Greenstein**, Riverside

*Graded representations of current algebras and finite dimensional algebras.*

13:00-14:30 Lunch, San Martin

14:30-15:20 **G. Carnovale**, Padova

*Spherical conjugacy classes and involutions in the Weyl group.*

15:30-16:20 **P. Lamprou**, Rehovot

*Maximal Poisson commutative subalgebras for certain parabolics of a semisimple Lie algebra.*

16:30- 17:00 Refreshments, Faculty Room.

17:00-17:50 **I. Pop**, Rehovot,

*Rational solutions of CYBE for simple compact Lie algebras.*

18:00- 19:00 **L. Makar-Limanov**, Wayne

*A new proof of AMS theorem (Abhyankar-Moh-Suzuki).*

19:15-19:30 Bus from San Martin, Weizmann Institute to Tokopaya Restaurant, Ness Ziona.

19:30 Conference Dinner.

## FRIDAY, DECEMBER 22, 2006

8:30-9:30 **V. Serganova**, Berkeley

*Representations with bounded multiplicities.*

9:40-10:40 **A. Vainshtein**, Haifa

*Cluster algebras and Poisson geometry.*

10:40 Excursion to the Dead Sea