

# Workshop / Conference

On

ALGEBRA and GRAPH THEORY

March 13-March 22, 2006

**VENUE:** School of Mathematical Sciences, GC University,  
68-B, New Muslim Town, Lahore

## PROGRAM

### MARCH 13<sup>th</sup>, Monday.

- 9:00 – 9:30 Opening meeting.  
Welcome address by Dr. A.D.R. Choudary, Director General SMS
- 9:30 – 11:00 Dr. Tudor Zamfirescu (Germany) : Hamiltonian graphs
- 11:30 – 13:00 Dr. Dorin Popescu (Romania): Regular sequences.
- 15:00- Free open discussions with the speakers of the day.

### MARCH 14<sup>th</sup>, Tuesday.

- 9:00 – 10:30 Dr. Ioan Tomescu (Romania) : Distance in graphs; basic properties.
- 11:00 – 12:30 Dr. Barbu Berceanu (Romania) : Diamond lemma, graphs and Poincare series.
- 14:00 - 15:00 Dr. Dimitry A. Leites (Germany) : On supersymmetry (from supergravity to stability of markets; on impossibility to construct time machine, etc...).
- 15:30 - Free open discussions with the speakers of the day.

### MARCH 15<sup>th</sup>, Wednesday.

- 9:00 – 10:30 Dr. Edy T. Baskoro (Indonesia): Total labeling of graphs
- 11:00 – 12:30 Dr. Cristodor Ionescu (Romania): Derivations of commutative rings.
- 14:00 – 15:00 Dr. Dimitry A. Leites (Germany) : Veblen's problem "classify invariant differential operations" and Lie superalgebras.
- 15:30 - Free open discussions with the speakers of the day.

### MARCH 16<sup>th</sup>, Thursday.

- 9:00 – 9:30 Mr. Anak Agung Gede Ngurah (Indonesia): On Super Edge Magic deficiency of graphs.
- 9:30 – 11:00 Dr. Marius Vladioiu (Romania): Classes of discrete polymatroids.
- 11:30–13:00 Dr. Nicolae Popescu (Romania): Reserved subject.
- 15:00 - Free open discussions with the speakers of the day.

### MARCH 17<sup>th</sup>, Friday.

- 9:00 – 10:30 Dr. Ioan Tomescu (Romania): Distance in graphs; recent results and open problems.
- 11:00 – 12:30 Dr. Mircea Becheanu (Romania): Projective varieties and graded rings.
- 14:00 – 15:00 Dr. Dimitry A. Leites (Germany): On supersymmetry of KdV and Sturm-Liouville equations.
- 15:30 - Free open discussions with the speakers of the day.

### MARCH 18<sup>th</sup>, Saturday.

- 9:00 – 10:30 Dr. Dorin Popescu (Romania): Strong Lefschetz property and Froberg conjecture
- 11:00 – 12:30 Dr. Tudor Zamfirescu (Germany) : Problems about longest cycles in special graphs, hamiltonicity of special classes of graphs and extensions.
- 14:00 – 15:00 Dr. Dimitry A. Leites (Germany): On simple Lie algebras over fields of prime characteristic (how to get an algebra on your own).
- 15:30 - Free open discussions with the speakers of the day.

### **MARCH 19<sup>th</sup>, Sunday.**

- 9:00 – 10:30 Dr. Barbu Berceanu(Romania) : From Combinatorial Algebra to Combinatorial Topology.  
11:00 – 12:30 Dr. Dragos Popescu (Romania): Signed graphs; basic concepts.  
15:00 - Free open discussions with the speakers of the day.

### **MARCH 20<sup>th</sup>, Monday.**

- 9:00 – 10:30 Dr. Cristodor Ionescu (Romania): Some questions about derivatives of formal power series.  
11:00 – 12:30 Dr. Edy T. Baskoro (Indonesia): Various types of Ramsey numbers.  
15:00 - Free open discussions with the speakers of the day.

### **MARCH 21<sup>st</sup>, Teuesday.**

- 9:00 – 10:30 Dr. Marius Vladoiu (Romania): Conjectures on discrete polymatroids.  
11:00 – 12:30 Dr. Surahmat (Indonesia): Some known results and open problems of Cycle-Wheel Ramsey numbers.  
15:00 - Free open discussions with the speakers of the day.

### **MARCH 22<sup>nd</sup>, Wednesday.**

- 9:00 – 10:30 Dr. Mircea Becheanu (Romania): Monomial subrings and monomial subrings of graphs.  
11:00 – 12:30 Dr. Dragos Popescu (Romania): Signed Graphs. New results and open problems  
12:30 – 13:00 Closing meeting.  
Address by Dr. Ghulam Murtaza and Dr. A.D.R. Choudary