

# ICDM2006

## Lectures & Sessions Schedule

---

### Lecture Schedule

Time (in hours)	09.15 to 10.00	10.00 to 11.00	11.30 to 12.15	12.15 to 13.00	14.15 to 15.00	15.00 to 15.45	16.15 to 17.00	17.00 to 17.45
Date								
15 <sup>th</sup> Dec	Regn & Inauguration	P <sub>1</sub>	IT-1	IT-2	IT-3	IT-4	IT-5	IT-6
16 <sup>th</sup> Dec	IT-7	P <sub>2</sub>	IT-8	IT-9	PP	PP	IT-10	IT-11
17 <sup>th</sup> Dec	IT-12	P <sub>3</sub>	IT-13	IT-14	IT-15	IT-16	IT-17	IT-18
18 <sup>th</sup> Dec	IT-19	P <sub>4</sub>	IT-20	IT-21	IT-22	IT-23	IT-24	Valediction.

P: Plenary talk

IT: Invited talk

PP: Poster Presentation

11 a.m. to 11.30.a.m & 3.45 p.m to 4.15. p.m.: Tea Break

There will be an additional poster presentation session from 5.45 p.m. to 6.45 p.m. on Dec 16<sup>th</sup>.

**Conference Banquet:** 17<sup>th</sup> Dec. 7.15 p.m. to 9 p.m.

### LECTURE DETAILS

#### Plenary Talks:

<b>Plenary Lectures</b>	<b>Name</b>	<b>Topic</b>
P <sub>1</sub>	Carsten Thomassen	List-coloring and the number of colorings of a graph
P <sub>2</sub>	J.Nesetril	Homomorphism, Duality and CSP
P <sub>3</sub>	G.Gutin	Introduction to the minimum cost Homomorphism Problem for Directed and Undirected graphs
P <sub>4</sub>	H.S.Wilf	Refinements of Ramanujan's congruence modulo 5

*Continued on the next page.....*

# ICDM2006

## Lectures & Sessions Schedule

---

### Invited Talks:

Invited Talks	Name	Topic
IT-1	S.B.Rao	Almost Ramsey type theorems for directed graphs
IT-2	M.D.Plummer	Some recent results in Domination in graphs
IT-3	Fredrick Havet	Coloring the arcs of digraphs with bounded in or out-degree and applications
IT-4	R.B.Bapat	Resistance Matrix and q-Laplacian of a Unicyclic graph
IT-5	Diana Donovan	A discussion of constrained binary embeddings with applications to crypto analysis of irregularly clocked stream ciphers
IT-6	Renu Laskar	Disjoint dominating sets in graphs
IT-7	Jayme Luiz Szwarcfiter	On the computation of some parameters related to convexity in graphs
IT-8	Asha Rao	Non-binary codes from Galios fields via the trace map
IT-9	K.Thulasiraman	Vertex identifying codes for Fault Isolation in Communication Networks
IT-10	S.Sridharan	On the Berge k-optimal path partition conjecture
IT-11	Xuding Zhu	Circular Perfect Graphs
IT-12	Pavol Hell	Generalized Colourings and Matrix Partitions
IT-13	K.Gopalakrishnan	Applications of orthogonal arrays to Computer Science
IT-14	Mike Fellows	Combinatorial Extremal Structure Theory and its Algorithmic Applications
IT-15	Venkatesh Raman	Recent Structural Graph Theoretical Results and their implications for Exact and Parameterized Algorithms
IT-16	G.O.H.Katona	Forbidden inclusion pattern in the families of subsets
IT-17	G.Pati	Generalization of Fielder's Monotonicity Theorem
IT-18	P.Paulraja	Directed odd cycle decompositions of some regular digraphs
IT-19	D.Rall	Packing and Domination Invariants in cartesian products and direct products
IT-20	S.Arumugam	Independent Domination and graph colorings
IT-21	Bruno Courcelle	Graph equivalences and decompositions definable in Monodic Second-Order Logic. The Case of Circle Graphs.
IT-22	J.H.Hattingh	Restrained Domination in Graphs
IT-23	H.B.Walika	Consecutive trees with respect to energy
IT-24	B.D.Acharya	Graph Labelings, Embedding and NP-Completeness Theorems.

*Continued on the next page.....*

# ICDM2006

## Lectures & Sessions Schedule

---

### Sessions Details:

Time (on all days)	Sessions & Chairmen			
<b>0915 Hours to 11.00 Hours</b>	S <sub>1</sub> : Neseiril	S <sub>4</sub> : Pavol Hell	S <sub>7</sub> : C.Thomassen	S <sub>10</sub> : Szwarcfiter
<b>11.30 Hours to 13.00 Hours</b>	S <sub>2</sub> : Jaikumar Radhakrishnan	S <sub>5</sub> : C.R.Pradeep	S <sub>8</sub> : Mike Fellows	S <sub>11</sub> : D. Rall
<b>Afternoons</b>	S <sub>3</sub> : E.Samathkumar	S <sub>6</sub> : K.Gopalkrishnan	S <sub>9</sub> : Gutin	S <sub>12</sub> : Xuding Zhu

**IMPORTANT NOTE** Since there will be nearly 170 registered participants in the lecture hall, it is preferred that the speakers use power point projection. Overhead Projector and black and white boards will also, however, be made available.

If you have any question with regard to the lecture schedule or want any change or correction to be made, you may write to Professor R. Balakrishnan ([mathbala@sify.com](mailto:mathbala@sify.com)) before Nov 25th. If you have any question with regard to arrangements at Bangalore, you may write to IMI ([imi@math.iisc.ernet.in](mailto:imi@math.iisc.ernet.in)).

See you all at the Conference!!!