



# 2010 組合數學新苗研討會



8 月 7 日 (星期六) 上午

08:30~09:20 報到

09:20~09:30 開幕典禮

09:30~10:20 邀請講者-王維凡教授 主持人-李國偉教授  
*Adjacent Vertex Distinguishing Colorings of Graphs*

10:20~10:40 茶敘

主持人-蕭金美教授

10:40~11:00 何婉璇 (淡江大學)  
*Decomposition of complete graph into 4-cycles or Hamilton cycles*

11:00~11:20 黃逸齊 (淡江大學)  
*Decomposition of complete graphs into 5-sun graphs*

11:20~11:40 鄭互程 (淡江大學)  
*The study of 3-sun decomposition of 2-fold complete graphs*

11:40~12:00 鄭智中 (淡江大學)  
*Decomposition of  $\lambda K_n$  into kites*

12:00~13:30 午餐



# 2010 組合數學新苗研討會



8 月 7 日 (星期六) 下午

13:30~14:20 演講者-翁志立教授 主持人-唐立賢教授  
*Lit-only  $\sigma$ -game and its dual game on a graph*

14:20~14:40 茶敘

主持人-陳秋媛教授

14:40~15:00 羅元勳 (交通大學)  
*Multicolored Subgraphs in an Edge-colored Graph*

15:00~15:20 吳思賢 (交通大學)  
*A polynomial-time approximation scheme for the minimum-weighted independent dominating set problem in wireless networks*

15:20~15:40 藍國元 (交通大學)  
*On distance-related problems of mixed chordal ring networks*

15:40~16:00 謝美芳 (中原大學)  
*A Study on Cycle Composition Networks*

16:00~16:20 茶敘

主持人-蕭欣欣教授

16:20~16:40 連皓吏 (中原大學)  
*Two construction schemes for 4-regular 2-fault tolerant hamiltonian graphs*

16:40~17:00 張書莉 (中原大學)  
*The spanning laceability of  $k$ -ary  $n$ -cubes when  $k$  is even*

17:00~17:20 蔡銘 (靜宜大學)  
*On cubic 4-ordered graphs and cubic 4-ordered Hamiltonian graphs*

17:20~17:40 林佑森 (暨大國際數學)  
*The Problems of Rankings on Sierpinski Graphs*

18:00~ 晚宴 (福華教會館-恬園餐廳)



# 2010 組合數學新苗研討會



8 月 8 日 (星期三) 上午

09:30~10:20 演講者-蕭金榮教授 主持人-梁永甫教授  
*Cycle decomposition of complete multipartite graphs*

10:20~10:40 茶敘

主持人-傅恆霖教授

10:40~11:00 張勉蘭 (交通大學)  
*Combinatorial Group Testing Problems on Various Models*

11:00~11:20 戴思綸 (交通大學)  
*A polynomial-time approximation algorithm for the constrained connected dominating set problem in wireless networks*

11:20~11:40 林逸軒 (交通大學)  
*Optimal Conflict-avoiding Codes of Even Length and Weight 3*

11:40~12:00 楊宗穎 (中山大學)  
*Colouring, circular list colouring and adapted game colouring of graphs*

12:00~13:30 午餐



# 2010 組合數學新苗研討會



8 月 8 日 (星期三) 下午

13:30~14:20 演講者-傅東山教授 主持人-龔小原教授  
*On simsun and double simsun permutations avoiding a pattern of length three*

14:20~14:40 茶敘

主持人-廖勝強教授

14:40~15:00 李元馨(中央大學)  
*Domination in generalized Petersen graphs*

15:00~15:20 于鵬瑋(嘉義大學)  
*On Equitable Coloring for Strong Product of Two cycles*

15:20~15:40 龔詩媛(嘉義大學)  
*Fault Tolerant Ability for  $D_{2,2,1}$ -Domination of Double Loop Networks*

15:40~16:00 吳淑勉(淡江大學)  
*On Reduced Graph Matrices and Their Applications*

16:00~16:20 茶敘

主持人-游森棚教授

16:20~16:40 莊琬琳(高雄大學)  
*On the permutohedron of type  $B$*

16:40~17:00 何麗玲(中原大學)  
*Locations of Factors of Characteristic Words*

17:00~17:20 曾湘寧(上海大學)  
*The study on combinatorial properties of RNA secondary structures*

17:20~17:40 頒獎與閉幕典禮