

# 2012 圖論及組合學研討會暨組合數學新苗研討會議程

## (Conference Program)

**地點(Place):** 國立中山大學理學院國際會議廳

(Conference Center, College of Science)

### 08 月 10 日 星期五 (August 10, Friday)

09:30~10:00 報到(Registration)

10:00~10:10 開幕(Welcoming Remarks) 主持人(Chairman): Xuding Zhu

**Session 1.** 主持人(Chairman): Xuding Zhu

10:10~11:00 邀請演講(Invited Speaker): Jerrold R. Griggs (University of South Carolina, USA)

(Page 01) 題目(Title): Families of subsets with a forbidden subposet

**Session 2.** 主持人(Chairman): Jerrold R. Griggs

11:05~11:55 邀請演講(Invited Speaker): Rangaswami Balakrishnan (Bharathidasan University, India)

(Page 02) 題目(Title): Cartesian product of oriented graphs with oriented hypercubes

12:00~13:30 午餐(Lunch)

**Session 3.** 主持人(Chairman): Li- Da Tong

13:30~14:20 邀請演講(Invited Speaker): Stephane Bessy (Universite Montpellier 2, France)

(Page 06) 題目(Title): Enumerating the edge-colourings and total colourings of a regular graph

**Session 4.** 主持人(Chairman): Stephane Bessy

14:25~15:15 邀請演講(Invited Speaker): 劉德芬 (Daphne Liu, Callifornia State University, Los Angeles, USA)

(Page 07) 題目(Title): From topological methods to combinatorial proofs for Kneser graphs

15:15~15:45 休息(Tea Break)

**Session 5.** 主持人(Chairman): Daphne Liu

15:45~16:35 邀請演講(Invited Speaker): 葉鴻國 (Hong-Gwa Yeh, National Central University)

(Page 09) 題目(Title): Diffusion on networks

**Session 6.** 主持人(Chairman): Hong-Gwa Yeh

16:40~17:30 邀請演講(Invited Speaker): 朱緒鼎(Xuding Zhu, Zhejiang Normal University and National Sun Yat-sen University)

(Page 10) 題目(Title): On-line list colouring of graphs

18:30~ 晚宴(Banquet) 地點(Place): 統一健康世界(Uni-Resort)

## **08月11日 星期六(August 11, Saturday)**

**Session 7.** 邀請演講(Invited Talk) 主持人(Chairman): Chiuyuan Chen

09:00~09:50 邀請演講(Invited Speaker):游森棚 (Sen-Peng Eu, National University of Kaohsiung)

(Page 11) 題目(Title): Permutation patterns and ARM identities

09:50~10:15 休息(Tea Break)

**Session 8.** 主持人(Chairman): Sen-Peng Eu

10:15~10:40 演講者(Speaker):江俊瑩 (Chun-Ying Chiang, National Central University)

(Page 13) 題目(Title): On the target set selection problem

10:45~11:10 演講者(Speaker):蔡維迦 (Wei-Chia Tsai (National University of Kaohsiung)

(Page 14) 題目(Title): Border strip decompositions on two-dimensional surfaces

11:15~11:40 演講者(Speaker):何澤初 (Tze-Chu Ho, National University of Kaohsiung)

(Page 15) 題目(Title): Bell permutation tableaux

11:50~13:00 午餐(Lunch)

**Session 9.** 主持人(Chairman): Sheng-Chyang Liaw

13:00~13:25 演講者(Speaker): Yangjing Long (Max Planck Institute for Mathematics in the Sciences)

(Page 16) 題目(Title): Relations between graphs

13:30~13:55 演講者(Speaker):劉純蓉 (Chun-Rong Liu, National Chiayi University)

(Page 17) 題目(Title): On the  $r$ -equitable coloring of complete bipartite graphs

14:00~14:25 演講者(Speaker):廖紹棠 (Shao-Tang Liao, National Taiwan University )

(Page 18) 題目(Title): The strong chromatic index of cacti

14:30~14:55 演講者(Speaker):徐祥峻 (Hsiang-Chun Hsu, National Taiwan University)

(Page 19) 題目(Title): Four partition problems of graphs

15:00~15:30 休息(Tea Break)

**Session 10.** 主持人(Chairman): Justie Su-Tzu Juan

15:30~15:55 演講者(Speaker):黃晴文 (Hau-Wen Huang, National Center for Theoretical Sciences)

(Page 20) 題目(Title): Lit-only sigma-game on nondegenerate graphs

16:00~16:25 演講者(Speaker):袁智龍 (Chih-Lung Yuan, National Chiao Tung University)

(Page 21) 題目(Title): On the study of position-based routing algorithms for wireless ad hoc networks

16:30~16:55 演講者(Speaker):李文惠 (Wen-Hui Lee, National Chi Nan University)

(Page 22) 題目(Title): Computing wide diameters of alternating group graphs

17:00~17:25 演講者(Speaker):張若怡(Joy Jo-Yi Chang, National Chi Nan University)

(Page 23) 題目(Title): Visual multi-secret image sharing scheme by shifting random grids

18:00~ 晚餐(Dinner)

## **08 月 12 日 星期日 (August 12, Sunday)**

**Session 11.** 邀請演講(Invited Talk) 主持人(Chairman): Hong-Guo Yeh

09:00~09:50 邀請演講(Invited Speaker):郭大衛 David Kuo (National Dong Hwa University)

(Page 12) 題目(Title): The game  $L(d,1)$ -labeling problem of graphs

09:50~10:15 休息(Tea Break)

**Session 12.** 主持人(Chairman): David Kuo

10:15~10:40 演講者(Speaker):梁育榮 (Yu-Jung Liang, National Dong Hwa University)

(Page 24) 題目(Title): Rainbow connection numbers of Cartesian product of graphs

11:40~11:10 演講者(Speaker):杜國豪 (Kuo-Hao Tu, National Dong Hwa University)

(Page 25) 題目(Title): Outer-connected domination numbers of block graphs

11:15~11:40 演講者(Speaker):胡世偉 (Shih-Wei Hu, Tunghai University)

(Page 26) 題目(Title): On zero-sum flows and flow numbers of undirected graphs

11:50~13:00 午餐(Lunch)

**Section 13.** 主持人(Chairman): Hsin-Hao Lai

13:00~13:25 演講者(Speaker):李渭天(Wei-Tian Li, Academia Sinica)

(Page 28) 題目(Title): The forbidden subposet problems and Turán problems

13:30~13:55 演講者(Speaker):高瑋琳 (Wei-Lin Kao, National Chiao Tung University)

(Page 29) 題目(Title): Facebook -- a smaller world

14:00~14:25 演講者(Speaker):李姿慧 (Zi-Hui Lee, National Chiao Tung University)

(Page 30) 題目(Title): A mathematical model for finding the culprit who spreads rumors

14:30~14:55 演講者(Speaker):劉晉宇 (National Sun Yat-sen University)

(Page 31) 題目(Title): The game Grundy arboricity of graphs

15:00~15:10 休息(Tea Break)

**Session 14.** 主持人(Chairman): Xuding Zhu

15:10~ 頒發優良論文獎

賦歸(End)