

# NSC-NWO joint seminar on Generalized Convexity in Game Theory

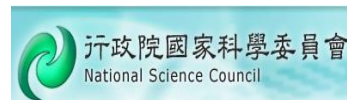


National Sun Yat-sen University

台灣·高雄·中山大學

Kaohsiung, Taiwan.

August 20, 2009



**Organizers:** Theo Driessen and Ngai-Ching Wong 黃毅青

Room 3001, College of Science Building, National Sun Yat-sen University

高雄市 [中山大學應用數學系](#) [理 3001 教室](#)

## 2009.8.20 (星期四 Thursday)

- 9:30            **Opening 開幕式 (chair: Jen-Chih Yao 姚任之)**
- 9:40-10:30    Theo Driessen (University of Twente, Netherlands)  
*A survey on (average-, sub-, total-, permutational-) convexity notions incooperative game theory and examples*
- 10:30-10:45   **Coffee and Tea 休息;**
- 10:45-11:30   Wei-Shih Du 杜威仕 (National Kaohsiung Normal University, Taiwan)  
*Hybrid inclusion and disclusion systems with applications to equilibria and parametric optimization;*
- 11:30-12:15   Anna Khmelnitskaya (St.Petersburg, Russia)  
*On 1-convexity and nucleolus of co-insurance games;*
- 12:15-14:00   **Lunch 午餐**
- 14:00-14:45   Shaohua Pan 潘少華 (South China University of Technology, China)  
*Symmetric cone complementarity problems and C-functions*
- 14:45-15:00   **Coffee and Tea 休息**
- 15:00-15:45   Hans Peters: (University of Maastricht, Netherlands)  
*On convexity of the undominated set for games with transferable utility*
- 15:45-16:30   Jean Derks: (University of Maastricht, Netherlands)  
*On the core and Weber set for restricted cooperative games, and their coincidence for convex games*
- 16:00-16:45   **Coffee and Tea 休息**
- 16:45-17:30   Chong Li 李 冲 (Zhejiang University, China)  
*Kantorovich's theorems of Newton's method for mappings and optimization problems on Lie groups.*
- 17:30-         **Closing 閉幕式 (chair: Theo Driessen)**

**Sponsors:** Research Center of Nonlinear Analysis and Discrete Mathematics, Department of Applied Mathematics, National Sun Yat-sen University, Taiwan NSC, and Netherlands NWO.

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<http://www.math.nsysu.edu.tw/~wong/taiwan-dutch2009>