

## August 7 (Thursday Morning)

### Parallel Session IV-B (Nonlinear Optimization and Global Optimization)

**Location: Speech Room, 5F, Science Education Building**

**Chair: Gue-Myung Lee**

- 10:50-11:15 Characterizing Positivity of Difference of SOS-Convex Polynomials and Containment of Semialgebraic Set  
*Gue-Myung Lee (Department of Applied Mathematics, Pukyong National University, Korea)*
- 11:15-11:40 Superlinearly Convergent Smoothing Newton Continuation Algorithms for Variational Inequalities over Definable Sets  
*Chek Beng Chua (Nanyang Technological University, Singapore)*
- 11:40-12:05 Interior-Point Algorithms for the Generalized Linear Complementarity Problems  
*Gyeong-Mi Cho (Dongseo University, Korea)*
- 12:05-12:30 A Global Optimization Method for a Quadratic Reverse Convex Programming Problem  
*Tamae Akasaka (Niigata University, Japan)*