

V I T A

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Educational Background:

Ph.D. Seoul National University
 Department of Mathematics, 1991.
M.S. Seoul National University
 Department of Mathematics, 1987.
B.A. Seoul National University
 Department of Mathematics, 1985.

Professional Experience:

Sept. 1991 - Feb. 1992 : Post-Doc. Global Analysis Research Center
 Seoul National University

Mar. 1991 - Feb. 1992 : Instructor, Seoul National University
Mar. 1992 - Aug. 2001 : Associate Professor, Korea Maritime University
Mar. 1995 - Feb. 1996 : Visiting Scholar, University of California at Santa Barbara
Sept. 2001 - Present : Professor, Chungbuk National University
Mar. 2005 - Feb. 2006 : Visiting Scholar, University of Washington
April 2013 - Present: Associate Member, Korea Institute for Advanced Study(KIAS)

Field of Research: Convex Analysis and Optimization

Recent Publications:

- [1] S. H. Pan, S. H. Kum, Y. Lim and J. S. Chen, On the generalized Fischer-Burmeister merit function for the second-order cone complementarity problem, *Mathematics of Computation* (2013), On line first publication.
- [2] Sangho Kum, H. Lee and Y. Lim, No dice theorem on symmetric cones, *Taiwanese Journal of Mathematics* 17 (2013), 1967–1982.
- [3] Sangho Kum and Y. Lim, The resolvent average on symmetric cones, *Linear Algebra and its Applications* 438 (2013), 1159–1169.
- [4] Sangho Kum and Y. Lim, A geometric mean of parameterized arithmetic and harmonic means of convex functions, *Abstract and Applied Analysis*, Volume 2012, Article ID 836804, 15 pages.
- [5] S. H. Pan, J. S. Chen, S. H. Kum and Y. Lim, The penalized Fischer-Burmeister SOC complementarity function, *Computational Optim. Appl.* 49 (2011), 457–491.
- [6] Sangho Kum and Y. Lim, Penalized generalized Fischer-Burmeister function for SOCCP, *Taiwanese Journal of Mathematics* 15 (2011), 1859–1870.
- [7] Sangho Kum and M. M. Wong, An extension of a generalized equilibrium problem, *Taiwanese Journal of Mathematics* 15 (2011), 1667–1675.
- [8] Sangho Kum and Y. Lim, Penalized complementarity functions on symmetric cones, *Journal of Global Optimization* 46 (2010), 475–485.
- [9] Sangho Kum and Y. Lim, Coercivity and strong semismoothness of the penalized Fischer-Burmeister function for the symmetric cone complementarity problem, *J. Optim. Theory and Appl.* 142 (2009), 377–383.

- [10] Sangho Kum, G. S. Kim and G. M. Lee, Duality for ϵ -Variational Inequality, *J. Optim. Theory and Appl.* 139 (2008), 649–655.
- [11] W. K. Kim and Sangho Kum, Best proximity pairs and Nash equilibrium pairs, *J. Korean Math. Soc.* 45 (2008), 1297–1310.
- [12] Sangho Kum and W. K. Kim, On generalized operator quasi-equilibrium problems, *J. Math. Anal. Appl.* 345 (2008), 559–565.
- [13] W. K. Kim and Sangho Kum, On general best proximity pairs and equilibrium pairs in free abstract economies, *Nonlinear Analysis* 68 (2008), 2216–2227.
- [14] V. Jeyakumar, Sangho Kum and G. M. Lee, Necessary and sufficient conditions for Farkas’ lemma for cone systems and second-order cone programming duality, *J. Convex Analysis* 15 (2008), 63–71.
- [15] Lu-Chuan Ceng and Sangho Kum, On generalized vector implicit variational inequalities and complementarity problems, *Taiwanese Journal of Mathematics* 11 (2007), 621–636.
- [16] Sangho Kum and W. K. Kim, Applications of generalized variational and quasivariational inequalities with operator solutions in a TVS, *J. Optim. Theory and Appl.* 133 (2007), 65–75.
- [13] Sangho Kum and W. K. Kim, Generalized vector variational and quasivariational inequalities with operator solutions, *Journal of Global Optimization* 32 (2005), 581-595.
- [17] W. K. Kim and Sangho Kum, Existence of Nash equilibria with C-convexity, *Nonlinear Analysis* 63 (2005), 1857-1865.