

## Curriculum Vitae

### CHEW Soo Hong

Professor and Provost Chair  
Department of Economics  
National University of Singapore

#### Education

Ph.D. (1981), Interdisciplinary studies (mathematics, economics, and management science),  
*University of British Columbia*  
M.A. (1977), Mathematics, *Claremont Graduate School*  
Physics major (1975-1976), *Harvey Mudd College*  
Mathematics major (1973-1975), *University of London* (External)  
Full Technological Certificate in Telecommunications (1975), *City & Guilds of London, Institute*

#### Research Interests

Decision theory, behavioral and biological economics, experimental economics

#### Honors

Fellow, Econometric Society, 2012 –present  
The Leonard J. Savage Award, 1982  
Best Research Paper Award, Institute for Decision Sciences, 1982

#### Publications (includes forthcoming and likely to be accepted papers; \*indicates corresponding authorship)

Chew SH, Miao B, Zhong SF, “Partial Ambiguity” *Econometrica* (forthcoming)  
Chew SH, Ratchford M, Sagi J, “You Must Recognize Ambiguity to Avoid It”, *Economic Journal* (forthcoming)  
Chew SH, Yi JJ, Zhang JS, Zhong SF, “Risk Aversion and Son preference: Experimental Evidence from Chinese Twin Parents”, *Management Science* (forthcoming)  
Chew SH, Yi JJ, Zhang JS, Zhong SF, “Education and Anomalies in Decision Making: Experimental Evidence from Chinese Adult Twins” *Journal of Risk and Uncertainty* (forthcoming)  
Zhong SF, Shalev I, Koh D, Epstein RP, Chew SH, “Stress and Competitiveness”, *International Economic Review* (conditional acceptance)  
Chark, R, Chew SH, Zhong SF, “Individual Longshot Preferences”, *Journal of the European Economic Association* (second invited resubmission)  
Yim OS, Zhang X, Shalev I, Monakhov M, SF Zhong, Hsu M, Chew SH\*, Lai PS, and Epstein RP, “Delay Discounting, Genetic Sensitivity, and Leukocyte Telomere Length”, *Proceedings of the National Academy of Sciences*, Vol. 113 no. 10 (2016), 2780 – 2785  
Zhong SF, R Chark, Hsu M, Chew SH\*, “Computational Substrates of Social Norm Enforcement by Unaffected Third Parties”, *Neuroimage*, Vol 129 (2016), 95 –104

Shen, Q., Teo M., Winter E., Hart E., Chew S. H.\*, Ebstein R. P., "To Cheat or Not To Cheat: Tryptophan Hydroxylase 2 SNP Variants Contribute to Dishonest Behavior" *Behavior Frontiers in Behavioral Neuroscience* 10 (82), (2016)

Chark R and Chew SH "A Neuroimaging Study of Strategic Uncertainty" *Journal of Risk and Uncertainty* Vol. 105, no. 7 (2015), 2272 – 2286

Jiang YS, · R Bachner-Melman · Chew SH\*· RP Ebstein, "Dopamine D4 Receptor Gene and Religious Affiliation Correlate with Dictator Game Altruism in Males and not Females: Evidence for Gender-sensitive Gene x Culture Interaction" *Frontiers in Neuroscience* (2015), Vol 9

Ebstein RP, M Monakhov, YF Lu, Y Jiang, PS Lai, Chew SH\*, "Association between the dopamine D4 receptor gene exon III variable number of tandem repeats and political attitudes in female Han Chinese" *Proceedings of the Royal Society B: Biological Sciences* (2015), Vol 282

Weisman O, Pelphrey KA, Leckman JF, Feldman R, Lu Y, Chong A, Chen Y, Monakhov M, Chew SH, Ebstein RP, "The association between 2D:4D ratio and cognitive empathy is contingent on a common polymorphism in the oxytocin receptor gene (OXTR rs53576)" *Psychoneuroendocrinology* 58 (2015), 23 – 32

Chark R, Chew SH, and Zhong SF "Extended Present Bias: A Direct Experimental Test" *Theory and Decision* Vol. 79, Issue 1 (2015)

Ebstein, RP.; Monakhov, M; Lai, PS; Chew, SH\*, "CD38 Gene Expression and Human Personality Traits: Inverse Association with Novelty Seeking" *Messenger* Vol 3, no. 1-2 (2014), 72 – 77(6)

Set, E, Saez I, Zhu L, Houser DE, Myung N, Zhong S, Ebstein RP, Chew SH,\* and Hsu M, Dissociable contribution of prefrontal and striatal dopaminergic genes to learning in economic games, *Proceedings of the National Academy of Science* Vol. 111 no. 26 (2014), 9615 – 9620

Chew SH, Ebstein RP, Zhong S, Sex Hormone Genes and Gender Difference in Ultimatum Game: Experimental Evidence from China and Israel, *Journal of Economic Behavior & Organisation* (2013), 28 – 42

De Dreu CKW, ..., Chew SH, ..., Shamay-Tsoory SG, Oxytonergic circuitry sustains and enables creative cognition in humans. *Social Cognitive and Affective Neuroscience* (2013)

Jiang Y, Chew SH\*, Ebstein RP, The role of D4 receptor gene exon III polymorphisms in shaping human altruism and prosocial behavior. *Frontiers in Human Neuroscience* (2013)

Chew SH, Ebstein RP, Zhong S, Ambiguity aversion and familiarity bias: Evidence from behavioral and gene association studies, *Journal of Risk and Uncertainty* 44 (2012): 1 – 18

Chew SH and J. S. Sagi, "An Inequality Measure for Stochastic Allocations", *Journal of Economic Theory* 147 (2012), 1517 – 1544

Zhong S, Chark R, Ebstein RP, Chew SH. "Imaging Genomics for Utility of Risks over Gains and Losses" *NeuroImage*, (Jan 2012)

Zhong S, Monakhov M, Mok HP, Tong T, Lai PS, Chew SH\*, Ebstein RP, U-Shaped Relation between Plasma Oxytocin Levels and Behavior in the Trust Game. *PLoS ONE* 7(12) (Jan 2012): e51095

Zhong S, S Israel, I Shalev, H Xue, Ebstein R, and Chew SH\*, "Dopamine D4 Receptor Gene Associated with Fairness Preference in Ultimatum Game", *PLoS ONE* 5(11) (2010): e13765

Ebstein R, S Israel, Chew SH, Zhong S, A Knafo, "Genetics of Human Social Behavior", *Neuron* 65 (6) (2010): 831 – 844

Zhong S, Israel S, Xue H, Ebstein R, and Chew SH\*, "Monoamine Oxidase A Gene (MAOA) Associated with Attitude towards Longshot Risks.", *PLoS ONE* 4(12) (2009): e8516

Zhong S, Israel S, Xue H, Sham P, Ebstein R, and Chew SH\*, "A Neurochemical Approach to Valuation Sensitivity over Gains and Losses" *Proceedings of the Royal Society B: Biological Sciences* 276 (2009): 4181 – 4188

Zhong S, Chew SH\*, Set E, Zhang J, Xue H, Sham P, Ebstein R, and Israel S, "The heritability of attitude towards economic risk", *Twin Research and Human Genetics*, 12 (1) (2009): 103 – 107

Chew SH and J. S. Sagi, "Small Worlds: Modeling attitudes toward Sources of Uncertainty", *Journal of Economic Theory* 139 (2008): 1 – 24

Chew SH, Li KK, R. Chark, and Zhong S, "Source preference and ambiguity aversion: Models and Evidence from Behavioral and Neuroimaging Experiments", Neuroeconomics, Houser and McCabe (eds), Elsevier: Advances in Health Economics and Health Services Research, 2008

Chew SH and Serizawa S, "Characterizing the Vickrey Combinatorial Auction by Induction", *Economic Theory* 33 (2007): 393 – 406

Chew SH and J. S. Sagi, "Event Exchangeability: Probabilistic Sophistication without Monotonicity or Continuity", *Econometrica* 74 (2006): 771 – 786

Chew SH and G. Tan, "The Market for Sweepstakes", *Review of Economic Studies* 72 (2005): 1009 – 1029

Chew SH and N. Nishimura, "Revenue Non-Equivalence between the English Auction and the Second-Price Auction: Experimental Evidence" *Journal of Economic Behavior and Organization* 51 (2003): 443 – 458

Chew SH and K. Konrad, "Bandwagon Effects in Two-Party Majority Voting" *Journal of Risk and Uncertainty* 16 (1998): 165 – 172

Chew SH and L. Herk, "Incremental Risk Aversion and Diversification Preference" *Journal of Economic Theory* 70 (1996): 180 – 200

Chew SH and P. Wakker, "The Comonotonic Sure-Thing Principle" *Journal of Risk and Uncertainty* 12 (1996): 5 – 27

Chew SH and Mao MH, "A Schur-Concave Characterization of Risk Aversion for Non-Expected Utility Preferences" *Journal of Economic Theory* 67 (1995): 402 – 435

Chew SH and E. Karni, "Choquet Expected Utility with a Finite State Space: Commutativity and Act-Independence", *Journal of Economic Theory* 62 (1994): 469 – 479

Chew SH, L.G. Epstein and U. Segal, "The Projective Independence Axiom" *Economic Theory* 4 (1994): 189 – 215

Chew SH and J.L. Ho, "Hope: An Empirical Study of Attitude toward the Timing of Uncertainty Resolution" *Journal of Risk and Uncertainty* 8 (1994): 267 – 288

Chew SH, L.G. Epstein and P. Wakker, "A Unifying Approach to Axiomatic Non-Expected Utility Theory: Correction and Comment" *Journal of Economic Theory* 59 (1993): 183 – 188

Chew SH and N. Nishimura, "Differentiability, Comparative Statics and Non-Expected Utility Preferences" *Journal of Economic Theory* 56 (1992): 294 – 312

Chew SH and L.G. Epstein, "Recursive Utility under Uncertainty" in *Equilibrium Theory with an Infinite Number of Commodities*, Khan and Yanellis (eds.), Springer-Verlag, 1991

Chew SH, L.G. Epstein and U. Segal, "Mixture Symmetry and Quadratic Utility" *Econometrica* 59 (1991): 139 – 163

Chew SH and L.G. Epstein, "Non-Expected Utility Preferences in a Temporal Framework with an Application to Consumption-Savings Behavior" *Journal of Economic Theory* 50 (1990): 54 – 81

Chew SH and I Zilcha, "Invariance of the Efficient Sets when the Expected Utility Hypothesis is Relaxed", *Journal of Economic Behavior and Organization*, 13 (1990): 125 – 131

Chew SH, "Axiomatic Utility Theories with the Betweenness Property" *Annals of Operations Research* 19 (1989): 273 – 298

Chew SH and L.G. Epstein, "A Unifying Approach to Axiomatic Non-Expected Utility Theory" *Journal of Economic Theory* 49 (1989): 207 – 240

Chew SH and L.G. Epstein, "Axiomatic Rank-Dependent Means" *Annals of Operations Research* 19 (1989): 299 – 309

Chew SH and L.G. Epstein, "The Structure of Preferences and Attitudes towards the Timing of the Resolution of Uncertainty" *International Economic Review* 30 (1989): 103 – 117

Chew SH, L.G. Epstein and I. Zilcha, "A Correspondence Theorem between Expected Utility and Smooth Utility" *Journal of Economic Theory* 46 (1988): 186 – 193

Chew SH and L.G. Epstein, "The Law of Large Numbers and the Attractiveness of Compound Lotteries" *Journal of Risk and Uncertainty* 1 (1988): 125 – 132

Chew SH, E. Karni and Z. Safra, "Risk Aversion in the Theory of Expected Utility Theory with Rank-Dependent Probabilities" *Journal of Economic Theory* 42 (1987): 370 – 381

Chew SH and W.S. Waller, "Empirical Tests of Weighted Utility Theory" *Journal of Mathematical Psychology* 30 (1986): 55 – 72

Chew SH, Mao M.H. and S.S. Reynolds, "Rotating Credit Collusion in Repeated Auctions with a Single Buyer and Several Sellers" *Economics Letters* 16 (1984): 1 – 6

Chew SH, "A Generalization of the Quasilinear Mean with Application to the Measurement of Income Inequality and Decision Theory Resolving the Allais Paradox" *Econometrica* 51 (1983): 1065 – 1092

### **Keynote Presentations**

Fifth International Conference on Neuromanagement and Neuroeconomics, Zhejiang, November 2016

China Meeting of the Econometric Society, Chengdu, June 2016

Annual Conference on experimental economics, Dalian, September 2015

Conference on Decision Making and the Unconscious, Geneva, October 2014

Tsinghua Conference on Theoretical and Behavioral Economics, Beijing, June 2014

Second Kyoto University Experimental Economics Conference, February, 2014

International Workshop on Experimental Economics, Xiamen, December, 2013

Tsinghua Conference on Theoretical and Behavioral Economics, Beijing, June 2013

Guanghua Seminar in Behavioral Sciences, Beijing, June 2012

Asia-Pacific Meeting of the Economic Science Association, Tokyo, February 2012

Nottingham workshop on experimental economics, Ningbo, September 2009

International Meeting of the Economic Science Association, Washington DC, June 2008

Asia Pacific Meeting of the Economic Science Association, Osaka, February 2007

### **Selected Invited Presentations**

Peking University, Beijing, December 2016  
Tsinghua University, Beijing, December 2016  
Fudan University, Beijing, December 2016  
Xi'an Jiatong University, Xi'an, November 2016  
Decision Theory, Experiment, and Application Conference, Paris, June 2016  
Southwest University of Finance and Economics, May 2016  
Decision Theory, Experiment, and Application Conference, Paris, June 2016  
Jiatong Liverpool University, Suzhou, January 2016;  
Peking University, December 2015  
Tsinghua University, December 2015  
Wuhan University, September 2015  
Inaugural China Meeting of the Econometric Society, Beijing, June 2013  
Spencer Conference, Chicago, December 2010  
Decision Theory, Experiment, and Application Conference, Paris, June 2010  
Workshop in Honor of Daniel Ellsberg, Vienna, March 2010  
Far Eastern Meeting of the Econometric Society, Singapore, 2009

### **Professional Experience**

December 2009 – present, Provost Chair, Professor, National University of Singapore  
Jul 2005 – Dec 2009, Chair Professor, Hong Kong University of Science and Technology  
Jul 1998 – Jun 2005, Professor, Hong Kong University of Science and Technology  
Jul 1995 – Mar 1999, Professor, University of California, Irvine  
Jul 1991 – Jun 1995, Associate Professor, University of California, Irvine  
January – December 1990, Visiting Associate Professor, Tulane University  
September 1986 – June 1987, Visiting Associate Professor, University of Toronto  
December 1984; summer 1985, Visiting Senior Lecturer, Tel Aviv University  
Jul 1984 – Jun 1991, Assistant Professor, Johns Hopkins University  
Jun 1980 – Jul 1984, Assistant Professor, University of Arizona

### **Selected Service**

Associate Editor, Journal of Neuroscience, Psychology and Economics, 2014 – present  
Associate Editor, Journal of Socio-Economics, 2013 – present  
Co-chair, China Meetings of the Econometric Society, 2012 – 2016  
Co-director, Laboratory for Behavioral x Biological Economics and the Social Sciences, NUS  
(b2ess.nus.edu.sg), Spring 2010 – present  
Director, center for Experimental Business Research, Hong Kong University of Science and  
Technology, Fall 1998 – June 2013  
Asia Pacific Vice-President, Economic Science Association, 2008 – 2010  
Advisory Editor, Journal of Risk and Uncertainty, 1998 – 2008