

# Hyemin Han

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## Education

- 2011-** **Stanford University, Stanford CA, USA**  
PhD Candidate (ABD) in Education  
(Specialty: Developmental and Psychological Sciences)  
Dissertation Title: *Neuroscientific and Social Psychological Investigation on Psychological Effects of Stories of Moral Exemplars*  
Primary Advisor: William Damon  
Co-Advisor: Gary H. Glover (Stanford School of Medicine, Radiology)  
Dissertation Reading Committee: William Damon, Gary H. Glover, Geoff Cohen
- 2005-2007** **KAIST (Korea Advanced Institute of Science and Technology), Daejeon, Korea**  
MS in Science, Technology and Society Program  
Primary Advisor: Jeong-Ro Yoon  
Co-Advisor: Sung-Ho Kim (Department of Mathematical Sciences)  
Thesis Title: *Effects of STS Education on Epistemological Belief and Moral Judgement of College Students Majoring in Science and Engineering: Korean Case.*
- 2001-2005** **Seoul National University, Seoul, Korea**  
BA in Ethics Education  
BS in Astronomy  
(Minor) Computer Science and Engineering

## Research Interests

Moral Development, Social Development, Moral Education, Moral Philosophy,  
Developmental Psychology, Social Psychology, Social Neuroscience, Neuropsychology,  
Positive Psychology, Psychological Interventions, Theoretical Psychology, Civic Education

## Peer-reviewed Journal Articles

- Han, H.** † (2014). Virtue Ethics, Positive Psychology, and a New Model of Science and Engineering Ethics Education. *Science and Engineering Ethics*. doi: 10.1007/s11948-014-9539-7
- Han, H.** † (2014). Analyzing Theoretical Frameworks of Moral Education through Lakatos's Philosophy of Science. *Journal of Moral Education*, 43(1), 32-53.
- Han, H.** †, & Jeong, C. † (2014). Improving Epistemological Beliefs and Moral Judgment Through an STS-Based Science Ethics Education Program. *Science and Engineering Ethics*, 20(1), 197-220.
- Han, H.** †, Glover, G. H., & Jeong, C. † (2014). Cultural Influences on the Neural Correlate of Moral Decision Making Processes. *Behavioural Brain Research*, 259, 215-218.
- Media Coverage: *Stanford Report* (<http://news.stanford.edu/news/2014/march/korea-moral-brain-031014.html>), *JoongAng Daily* (<http://joongang.joins.com/article/aid/2014/07/18/14872082.html>, Korean)
- Jeong, C. †, & **Han, H.** (2013). Exploring the Relationship between Virtue Ethics and Moral Identity. *Ethics & Behavior*, 23(1), 44-56.
- Jeong, C. †, & **Han, H.** (2012). An Integrative Model of Moral Reasoning and Moral Intuition: Implications for Moral Education, *The SNU Journal of Education Research*, 21, 81-107.
- Han, H.** † (2012). Lost in Transition: The Dark Side of Emerging Adulthood (Book Review). *Journal of Moral Education*, 41(1), 145-147.
- Jeong, C. †, & **Han, H.** (2011). A Multi-level Model of Moral Thinking Based on Neuroscience and Moral Psychology. *Psychology Research*, 1(5), 328-339.
- Jeong, C. †, & **Han, H.** (2010). Some Potential Contributions of Sociobiology to Moral Psychology and Moral Education. *The SNU Journal of Education Research*, 19, 167-188.
- Han, H.** †, & Jeong, C. (2010). Achievements in Natural Science, the Possibility of the Free Will and Autonomous Morality: With Consideration of Moral Psychology and its Educational Implementation. *Journal of Moral & Ethics Education (Korean)*, 31, 1-28.
- Han, H.** †, & Jeong, C. (2009). Understanding Moral Psychology and Moral Education through the Lens of the Philosophy of Science. *The SNU Journal of Education Research*, 18, 1-23.
- Han, H.** †, & Jeong, C. (2009). Using STS Theories and Issues for Moral Education. *Journal of Moral & Ethics Education (Korean)*, 29, 367-386.
- Han, H.** † (2008). A Study on Application of Neurobiological Researches to Moral Education. *Journal of Moral & Ethics Education (Korean)*, 26, 215-238.
- Han, H.** † (2007). A Study to Improve Business Ethics Education Program. *Journal of Ethics Education Studies (Korean)*, 13, 313-332.

Park, C.<sup>†</sup>, & **Han, H.** (2007). A Fundamental Study on Morality of Gifted Elementary School Children. *Elementary School Education Research (Korean)*, 7(1), 189-206.

**Han, H.**<sup>†</sup> (2006). A Survey of Effects of STS Education on the University Students' Moral Development and Epistemological Beliefs: Using DIT and EBI. *Journal of Ethics Education Studies (Korean)*, 9, 201-218.

**Han, H.**<sup>†</sup>, & Park, C. (2005). A Study on the Application of Sociology of Science and Technology Perspective in Moral Education Curriculum. *Journal of Korean Ethics Studies (Korean)*, 60, 151-180.

<sup>†</sup>: Corresponding author(s)

## Grant Support

Ministry of Education (Korea), 2013-2014

The Current Status and Activation Plan of Character Education in Elementary and Secondary Schools

Total costs: KRW 30,000,000 (equivalent to USD 28,110 as of Mar. 11. 2014.) (**co-PI**)

National Youth Policy Institute (Korea), 2010-2011

A Preliminary Study of Making Tool for the Moral Sensitivity Test for Korean Youth

Total costs: KRW 15,000,000 (equivalent to USD 14,055 as of Mar. 11. 2014.) (**co-PI**)

## Manuscripts

**Han, H.** (Manuscript under review). A Meta-analysis of the Neural Correlates of Human Morality and its Implications.

**Han, H.**, Jeong, C., Kunii, Y., & Kim, S. (Manuscript under review). A Comparative Study of Moral Education Textbooks in Korea and Japan.

**Han, H.**, Jeong, C., Damon W., & Cohen, G. L. (Manuscript under review). Are Attainable Exemplars More Effective at Promoting Students' Moral Motivation?.

Malin, H., **Han, H.**, & Liauw, I. (Manuscript in preparation). Civic purpose: A longitudinal study of civic development during the transition from adolescence to early adulthood.

Hunt, D., Reilly, T., Malin, H., & **Han, H.** (Manuscript in preparation). Entrepreneurial intention: A qualitative analysis of individual, contextual, and emerging factors that contribute to its development.

**Han, H.**, Chen, J., Glover, G. H., & Jeong, C. (Manuscript in preparation). The Involvement of Dorsomedial Prefrontal Cortex and Posterior Cingulate Cortex in Moral Judgment.

**Han, H.** (Manuscript in preparation). Aristotelian Ethics and Moral Developmental Model in the Era of Neuroscience.

## Books

- Damon, W. (**H. Han**, & C. Jeong, Trans.) (2012). *The Path to Purpose: How Young People Find Their Calling in Life*. Seoul, Korea: Hankyung BP. (Original work published 2008.)
- Park, G., Hong, S., Seo, K., & **Han, H.** (2011). *A Preliminary Study of Making Tool for the Moral Sensitivity Test for Korean Youth (Written in Korean)*. Seoul, Korea: National Youth Policy Institute.
- Han, H.** (2003). *High School Moral Education (Written in Korean)*. Seoul, Korea: ETOOS Group.
- Han, H.** (2002). *There is no Genius (Written in Korean)*. Seoul, Korea: Haengbokhan-Chaekilgi.

## Awards and Scholarships

- |           |   |
|-----------|---|
| 2014      | The Association for Moral Education Scholarship for Participation in 2014 Conference, Pasadena  |
| 2014      | Stanford University Graduate School of Education Travel Fellowship  |
| 2013      | Stanford University Graduate School of Education Travel Fellowship  |
| 2013      | The Association for Moral Education Scholarship for Participation in 2013 Conference, Montreal  |
| 2012      | The Association for Moral Education Scholarship for Participation in 2012 Conference, San Antonio   |
| 2011      | Stanford University Graduate School of Education Travel Fellowship  |
| 2011-2012 | Stanford University Graduate School of Education Doctoral Fellowship  |
| 2008      | Excellence Award, Advanced Technology Incorporation   |
| 2007      | Bronze Award, The 2 <sup>nd</sup> Korea Flat Panel Display Vision Inspection Contest, Chungnam Display R&D Cluster Center   |
| 2006      | Korea Foundation for Advanced Studies Fellowship  |
| 2005      | Cum laude, Seoul National University  |
| 2003      | Runner-up, University Academic Paper Contest, Seoul National University   |
| 2002      | 4 <sup>th</sup> Place, The 27 <sup>th</sup> Korean College Student Academic Paper Presentation Contest, The Center for Social Sciences in Seoul National University |
| 2001      | 4 <sup>th</sup> Place, The 2 <sup>nd</sup> Cyber Culture Academic Paper Contest, The Academy of Korean Studies  |
| 2001-2005 | Daejin University Scholarship   |

## Conference Presentations

- Han, H.** (2015, January). *Exploring Relation between Aristotelian Moral Philosophy, Moral Psychology, and Contemporary Neurosciences*. Oral Presentation at the 3<sup>rd</sup> Annual Conference of the Jubilee Centre for Character and Virtues, Oxford, United Kingdom.
- Han, H.**, Liauw, I., & Malin, H. (2014, November). *Longitudinal Study of Civic Engagement in the Transition to Adulthood*. Oral Presentation at the Association for Moral Education, Pasadena, CA.
- Han, H.** (2014, November). *A Meta-Analysis of fMRI Studies of Morality and Its Implications*. Oral Presentation at the 40<sup>th</sup> Annual Conference of the Association for Moral Education, Pasadena, CA.
- Han, H.**, Glover, G. H., & Jeong, C. (2014, March). *Do Socio-Cultural Factors Influence on Moral Judgment at the Neural Level?* Poster Presentation at the Cross-Cultural Perspectives on Moral Psychology Conference, Seoul, Korea.
- Han, H.** (2014, January). *Can virtue be measured using neuroimaging methods?*. Oral Presentation at the 2<sup>nd</sup> Annual Conference of the Jubilee Centre for Character and Values, Oxford, United Kingdom.
- Han, H.**, Glover, G. H., & Jeong, C. (2013, October). *A Cross-Cultural fMRI Investigation of Moral Decision Making Processes*. Oral Presentation at the 39<sup>th</sup> Annual Conference of the Association for Moral Education, Montreal, Canada.
- Han, H.**, Kim, S., Jeong, C., & Kunii, Y. (2013, October). *A Comparative Study of Moral Education Textbooks in Korea and Japan*. Poster Presentation at the 39<sup>th</sup> Annual Conference of the Association for Moral Education, Montreal, Canada.
- Han, H.** (2013, October). *How Can We Apply Exemplary Stories to Moral Education?* (Discussant: William Damon). Symposium Paper Presentation at the 39<sup>th</sup> Annual Conference of the Association for Moral Education, Montreal, Canada.
- Kim, S., **Han, H.**, & Jeong, C. (2012, November). *Devising and Testing an Instrument for Measuring Distances between Adolescents' Sense of Self and the Concepts Related to Morals*. Poster Presentation at the 38<sup>th</sup> Annual Conference of the Association for Moral Education, San Antonio, Texas.
- Han, H.**, & Jeong, C. (2012, November). *Developing an Effective Science Ethics Education Program: A Socioscientific Issues-based Approach*. Poster Presentation at the 38<sup>th</sup> Annual Conference of the Association for Moral Education, San Antonio, Texas.
- Jeong, C., & **Han, H.** (2011, October). *Bridging the Gap between Science and the Humanities through Moral Education*. Oral Presentation at the 37<sup>th</sup> Annual Conference of the Association for Moral Education, Nanjing, China.

- Han, H.** (2010, November). *A Study of How to Measure and Manage Korean Adolescents' Morality*. Oral Presentation at the 2011 Fall Korean Ethics Education Association, Cheongju, Korea.
- Jeong, C., & **Han, H.** (2010, November). *The Moral Human as a Sociobiological, Natural Scientific Being: How it can be Helpful to our Study of Moral Functioning and Moral Education*. Oral Presentation at the 36th Annual Conference of the Association for Moral Education, St. Louis, Missouri.
- Han, H.** (2002, April). *Simulation of Descartes's Human Thinking Model by Multi-Threading*. Poster Presentation at the 2002 Spring Conference of the Korean Institute of Information Scientists and Engineers, Ansan, Korea.
- Han, H.** (2001, October). *Ethical Contemplation into Software Piracy*. Poster Presentation at the 2001 Fall Conference of the Korean Institute of Information Scientists and Engineers, Seoul, Korea.

## Research Experience

- 2014-**                    **Stanford University, Stanford CA, USA**  
Part-time Research Assistant, Stanford Graduate School of Education  
Research Advisor: Claude Goldenberg  
Project  
- Reclassifying and Not Reclassifying English Learners as Fluent English Proficient: Access and Achievement Significance (Quantitative Analysis of Longitudinal Survey Data)
- 2011-**                    **Stanford University, Stanford CA, USA**  
Research Assistant, Stanford Graduate School of Education, Center on Adolescence  
Research Advisors: William Damon and Anne Colby  
Projects  
- The Development of Civic Purpose among Diverse Populations of American Youth (Youth Civic Development Project)  
- Young Entrepreneurs Study  
- The Role of Truth, Humility, and Faith in Moral Formation: A Developmental Analysis of Exemplary 20th Century Lives (Moral Formation Project)
- 2010-2011**            **Seoul National University, Seoul, Korea**  
Researcher, Department of Ethics Education  
Research Advisor: Changwoo Jeong

## Teaching Experience

- 2011**                    **Gyeonggi Science High School for the Gifted, Suwon, Korea**  
Teacher, Ethics for Scientists (Spring – Summer)
- 2011**                    **Chungshin Girls' High School, Seoul, Korea**  
Teacher, Moral Education and Ethics  
Program Organizer, Student Mentoring Program (Spring – Summer)
- 2010-2011**            **Namu Academy, Seoul, Korea**  
Online College-level Course Instructor  
Department of Early Childhood Education  
Subject: Research Method, and Evaluation for Early Childhood Education  
(Fall – Winter)
- 2010**                    **Miyang High School, Seoul, Korea**  
Teacher, Moral Education (Fall)
- 2007**                    **Daein High School, Incheon, Korea**  
Teacher, Moral Education and Logic Education (Spring – Summer)

## Work Experience

- 2007-2010**            **Advanced Technology Incorporation, Incheon, Korea**  
Engineering Researcher, Vision Development Team, Center of Research  
and Development
- 2006-2007**            **Discuss Academy, Seoul, Korea**  
Section Manager, Social Studies Education Team

## Invited Talks

- Workshop Leader (May-June, 2014). SisaIN 2014 Youth Leadership Forum. Seoul, Korea.
- Speaker (March, 2014). A Meta-analysis of the Neural Substrate of Human Morality. Seoul National University, Seoul, Korea.
- Invited Lecturer (March, 2014). Civic Education and Civic Development. Seoul National University, Seoul, Korea.
- Workshop Leader (May, 2013). SisaIN 2013 Youth Leadership Forum. Seoul, Korea.
- Invited Lecturer (May, 2013). Korean Standards Association-American Society for Training & Development International Conference 2013. Stanford, CA.
- Speaker (March, 2013). Neuroscience and Moral Education. Seoul National University, Seoul, Korea.
- Speaker (December, 2010). Basic Learning Techniques. Keimyung University, Daegu, Korea.
- Speaker (November, 2010). Basic Learning Techniques. Semyung University, Jecheon, Korea.

Speaker (May, 2010). Basic Learning Techniques. Changwon National University, Changwon, Korea.

Speaker (August, 2008). Basic Learning Techniques. Catholic University of Daegu, Gyeongsan, Korea.

Speaker (December 2005). Basic Learning Techniques. Soon Chun Hyang University, Asan, Korea.

## Professional Organizations

Student member, American Educational Research Association

Student member, Association for Moral Education

## Professional Activities

Ad hoc reviewer, *Science and Engineering Ethics*, *PLOS ONE*

## Computer Skills

C, C++: More than ten years' experience in automated vision inspection, artificial intelligence, neural network programming, data analysis for educational psychology, etc.

JAVA, DELPHI (PASCAL), PHP: Up to two years' experience.

SAS, SPSS, STATA, R: For statistical analysis.

E-Prime, Psychtoolbox: For psychological experiment design.

AFNI, SPM8, FSL, MATLAB: For brain image analysis.

## References for Hyemin Han

- William Damon ([wdamon@stanford.edu](mailto:wdamon@stanford.edu), [staton@stanford.edu](mailto:staton@stanford.edu)) Professor of Education, Director of the Stanford Center on Adolescence, Stanford University, California, United States
- Gary H. Glover ([gary.glover@stanford.edu](mailto:gary.glover@stanford.edu)) Professor of Radiology, Professor in Neuroscience & Biophysics, Professor of Electrical Engineering & Psychology (by courtesy), Director of Radiological Sciences Lab, Stanford University, California, United States
- Geoffrey Cohen ([glc@stanford.edu](mailto:glc@stanford.edu)) James G. March Professor of Organizational Studies in Education and Business, Professor of Organizational Behavior (by courtesy), Stanford University, California, United States
- Anne Colby ([acolby1@stanford.edu](mailto:acolby1@stanford.edu)) Consulting Professor of the Stanford Center on Adolescence, Stanford University, California, United States
- Changwoo Jeong ([jcwwoo@snu.ac.kr](mailto:jcwwoo@snu.ac.kr)) Professor in Ethics Education, Seoul National University, Republic of Korea
- Kristján Kristjánsson ([k.kristjansson@bham.ac.uk](mailto:k.kristjansson@bham.ac.uk)) Professor of Character Education and Virtue Ethics, Deputy Director of the Jubilee Centre for Character and Values, University of Birmingham, United Kingdom