

CURRICULUM VITAE

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Education

- Ph.D. **Psychological Sciences**, August 1998
Purdue University, West Lafayette, Indiana (Advisor: John Feldhusen)
- M.S. **Psychological Sciences**, December 1994
Purdue University, West Lafayette, Indiana (Advisor: John Feldhusen)
- M.A. **World Literature**, July 1988
East China Normal University, Shanghai, China
- B. A. **Chinese Language and Literature**, September 1983
East China Normal University, Shanghai, China

Professional Positions

- 2014- Professor of Educational Psychology and Methodology, Department of
Educational and Counseling Psychology, University at Albany,
State University of New York
- Guest Professor in the College of Psychology and Cognitive Sciences,
East China Normal University (2016-)
- Adjunct Professor, Shanxi Normal University (Xi'an, 2018-2020)

- 2007-2014 Associate Professor of Educational Psychology and Methodology,
Department of Educational and Counseling Psychology,
University at Albany, State University of New York (Tenured)
- Zhijiang Lecture Professor of Education and Psychology, East China
Normal University, Shanghai, China (2012-2015)
- 2001-2007 *Assistant Professor* of Educational Psychology and Methodology,
Department of Educational and Counseling Psychology,
University at Albany, State University of New York
- Graduate courses taught at University at Albany, SUNY:*
EPSY767 Seminar on Giftedness, Talent, and Creativity
EPSY715 Seminar on Learning/Intellectual Functioning
EPSY612 Motivation
EPSY611 Advanced Topics in Learning
EPSY610 Advanced Educational Psychology: Learning &
Instruction
EPSY502 Educational Psychology
- Undergraduate courses taught at University at Albany, SUNY:*
EPSY420 Child and Adolescent Development
EPSY200 Psychological Processes in Schooling
EPSY387 Motivation and Self-Regulation
- 1999-2001 *Assistant Professor* of Psychology, Department of Psychology and
Counselor Education, Central Missouri State University (CMSU)
- Graduate courses taught at CMSU:*
Advanced Educational Psychology: Learning and Instruction
Advanced Educational Psychology: Classroom Management
- Undergraduate courses taught at CMSU:*
Educational Psychology
Psychology of Adolescence
- 1998-1999 *Adjunct Instructor*, Department of Educational Psychology, University
of Connecticut, and
Postdoctoral Fellow, National Research Center on the Gifted and
Talented, University of Connecticut. (Mentor: Joseph Renzulli)
- 1988-1991 *Instructor*, Department of Chinese Language and Literature, College of
Liberal Arts, Shanghai University

1983-1985 *Instructor*, Department of Chinese Language, College of International Business, Shanghai University

Awards and Honors

Recipient of the *Distinguished Scholar Award* by National Association for Gifted Children, Charlotte, NC, November, 2017.

Fulbright Scholar to Germany to conduct teaching at University of Erlangen-Nuremberg and research with Professor Albert Ziegler at the International Association for Talent Development and Excellence. Nuremberg, Germany, 2015-2016.

Gifted Child Quarterly “Article of the Year”, for Dai, D. Y., & Chen, F. (2013). Three paradigms of gifted education: In search of conceptual clarity in research and practice. *Gifted Child Quarterly*, 57, 151-168.

Member of the Advisory Board of the Center for University-School Partnership, Faculty of Education, Chinese University of Hong Kong (2014-2021).

Delivered the Esther Katz Rosen Lecture on Gifted Children/Adolescents (title: “*Giftedness in the making: the being and doing of talent development and creativity*”) at the 2014 American Psychological Association (APA) Convention in Washington, DC, invited and sponsored by the American Psychological Foundation (APF) August 8, 2014.

Delivered the 2013 Hotung Lecture (title: “*East meets West: Gifted education in the US and China*”, sponsored by the Hong Kong Academy for Gifted Education, Jan 15, 2013.

Zhijiang Lecture Professor of Education and Psychology, East China Normal University (January 2012—December 2015).

Honorary advisor for the Program for the Gifted and Talented, Chinese University of Hong Kong, Jan 2011-Dec 2018.

Fulbright Research Scholar to China to conduct educational research, affiliated to Beijing Normal University, 2008-2009.

Early Scholar Award, National Association for Gifted Children, 2006.

Invitee by Spencer Foundation as an expert to a working meeting on *Social, Emotional, and Thinking Dispositions*, which was set up to develop an emergent research initiative. Chicago, October 3-4, 2006.

Award for Excellence in Research (junior category), Mensa Education & Research Foundation and Mensa International, Limited, 2003.

Excellence in Scholarship Award, Central Missouri State University, College of Education and Human Services, 2001.

Hollingworth Award for Research Excellence, National Association for Gifted Children, 2001. (Cash award, \$2000)

“Faculty Member of the Month,” Central Missouri State University, (for “dedication to student learning.”), February 2000.

Guest Professor, College of Education, Shanghai Teachers University, 2000.

Professional Memberships

American Educational Research Association (AERA)

American Psychological Association (APA)

National Association for Gifted Children (NAGC)

Asia-Pacific Federation on Giftedness (APFG)

Chinese American Ed. Research and Development Assoc. (CAERDA)

Membership of Editorial Boards of Refereed Journals

Gifted Child Quarterly (Official refereed publication of National Association for Gifted Children), 2004-present.

Journal for the Education of the Gifted (the official refereed publication of the Association for the Gifted, a division of Council for Exceptional Children) 2003-present

Roeper Review (Official refereed journal of the Roeper School). Jan. 2005--.

PsycCritique, Contemporary Psychology: APA Review of Books. 2014-2017

Bulletin of Special Education (Taiwan), 2017-

Scholarly and Professional Interests

Cognitive, affective, and social aspects of talent development

Foundational issues and policy analysis of gifted education

Cognitive, motivational, and social processes in creative productivity

Teaching for creativity and critical thinking

Scholarly Activities

A. Publications

Books

- Dai, D. Y. (in preparation). *The nature and nurture of talent: A unified theory of talent development*. New York: Cambridge University Press.
- Dai, D. Y. (under contract). *Giftedness, talent, and creativity from a developmental science perspective: From biology to culture* (in Chinese). Shanghai: Shanghai Education Press.
- Dai, D. Y., & Sternberg, R. J. (Eds.) (in press). *Scientific inquiry into human potential: Historical and contemporary perspectives across disciplines*. New York: Routledge.
- Dai, D. Y., & Fu, Y. (2019). *Cradles for talent: Selective high schools in the United States* (in Chinese). Shanghai: East China Normal University Press.
- Dai, D. Y., & Kuo, C-C. (Eds.) (2016). *Gifted education in Asia: Problems and prospects*. Charlotte, NC: Information Age Publishing.
- Dai, D. Y. & Chen, F. (2014). *Paradigms of gifted education: A guide to theory-based, practice-focused research*. Waco, TX: Prufrock Press.
- Dai, D. Y., & Cai, J. (Eds.) (2013). *Gifted education in the USA* (in Chinese). Hangzhou, Zhejiang: Zhejiang Education Press.
- Dai, D. Y. (Ed.) (2012). *Design research on learning and thinking in educational contexts: Enhancing intellectual growth and functioning*. New York: Routledge.
- Masmoudi, S., Dai, D. Y., & Naceur, A. (Eds.) (2012). *Attention, representation, and human performance: Integration of cognition, emotion and motivation*. New York: Psychology Press.
- Dai, D. Y. (2010). *The nature and nurture of giftedness: A new framework for understanding gifted education*. New York: Teachers College Press.
- Dai, D. Y. (2008). *A psychological inquiry into the game of Go*, (Chinese). Taiyuan, Shanxi: The Shanxi Publishing Group/Shuhai Press.
- Dai, D. Y., & Sternberg, R. J. (Eds.) (2004). *Motivation, emotion, and cognition: Integrative perspectives on intellectual functioning and development*. Mahwah, NJ: Lawrence Erlbaum.

Book Series Editorship

Co-editing (with Professor Jiliang Shen of Beijing Normal University) of a translation book series “*Education, Creativity, and Society*”. Shanghai: East China Normal University Press (five books published so far).

Journal Guest Editorship

A special issue (2020) on “Rethinking Human Potential: A Tribute to Howard Gardner”.
Journal for the Education of the Gifted, Volume 43, No. 1.

A special issue (2015) on “Early college entrance programs across nations: A comparative perspective”. *Roeper Review, 37(1).*

A special issue (2005) on “Nature, Nurture, and the Development of Exceptional Competence.” *Journal for the Education of the Gifted, 28(3-4).*

Peer-Reviewed Journal Articles

Li., Y., Dai, D. Y. Beaty, Qi, S., Li, Y. Wang, X., & Hu, W. (in preparation). The effects of transcranial direct current stimulation (tDCS) on creativity: temporal dynamics and the role of cognitive inhibition.

Dai, D. Y., Steenbergen-Hu, S., Li, X. (in preparation). *How early college entrants viewed their college experiences: Lessons in hindsight.*

Dai, D. Y., & Li, X. (under review). Behind an accelerated STEM research career: Dynamic interplay of endogenous and exogenous forces in talent development. *Education Sciences.*

Cheng, H., Dai, D. Y. & Yang, P. et al. (under review). QEOSA: Testing a pedagogical model of creative problem solving for preschool children. *Creativity Research Journal.*

Zhang, X., Chen, L. Dai, D. Y., & Hu, W. (under review). Adolescents with different profiles of scientific versus artistic creativity: Similarity and difference in cognitive control. *Thinking Skills and Creativity.*

Ji, H., Qi, S., Xu, S., Chen, Dai, D. Y., Li. Y., & Hu, W. (in press). The Role of animacy in metaphor processing of mandarin Chinese: An event-related potential (ERP) study. *Journal of Neurolinguistics.*

Lei, W., Deng, W., Zhu, R., Runco, M. A., Dai, D. Y., & Hu, W. (2020). Does cognitive style moderate expected evaluation and adolescents’ creative performance: an empirical study. *Journal of Creative Behavior.* DOI: 10.1002/jocb.439

Xu, X., Dai, D. Y., Liu, M., & Deng, C. (2020). Parental psychological control and academic functioning in Chinese high school students: A short-term longitudinal study. *British Journal of Developmental Psychology, 38,* 90-107.

Dai, D. Y. (2020). A brief history of giftedness and gifted education, and what it means to school psychologists. *Psychology in the Schools.* DOI: 10.1002/pits.22346

- Dai, D. Y. (2020). Introduction to the special issue on Rethinking Human Potential: A tribute to Howard Gardner. *Journal for the Education of the Gifted*, 43, 3-11.
- Dai, D. Y. (2020). Rethinking human potential from a talent development perspective. *Journal for the Education of the Gifted*, 43, 19-37.
- Xue, Y., Gu, C., Wu, J., Dai, D. Y., Mu, X., & Zhou, Z. (2020). The effects of extrinsic motivation on scientific and artistic creativity among middle school students. *Journal of Creative Behavior*, 54, 37-50. DOI: 10.1002/jocb.239.
- Dai, D. Y. (2019). New directions in talent development research: a developmental systems perspective. *New Directions for Child and Adolescent Development*, 168, 177-197.
- Dai, D. Y. (2019). Toward a new era of gifted education: Principles, policies, and strategies. *Turkish Journal of Giftedness and Education*, 9(1), 2-15.
- Dai, D. Y., Cheng, H., & Yang, P. (2019). QEOSA: A pedagogy that harnesses cultural resources to foster creative problem solving. *Frontiers in Psychology*, 10 (Article 433).
- Mekik, C. S., Sun, R., & Dai, D. Y. (2018, July). Similarity-based reasoning, Raven's matrices, and general intelligence. In *Proceedings of International Joint Conference on Artificial Intelligence and European Conference on Artificial Intelligence (IJCAI-ECAI 2018)* (pp. 1576-1582). Stockholm, Sweden.
- Mekik, C. S., R. Sun, & D. Y. Dai, (2018, July). Similarity-based and rule-based reasoning in Raven's matrices. In I. Juvina, J. Houpt, & C. Myers (eds.), *Proceedings of the 16th International Conference on Cognitive Modeling (ICCM 2018)*; pp. 76-81). Madison, Wisconsin.
- Le, Y., Liu, J., Deng, C., & Dai, D. Y. (2018). Heart rate variability reflects the effects of emotional design principle on mental effort in multimedia learning. *Computers in Human Behavior*, 89, 40-47.
- Xu, P. Dai, D. Y., Liu, M., & Deng, C. (2018). Relations between parenting and child academic functioning among adolescents in China: A three-wave longitudinal study. *Frontiers in Education*, 3 (Article 1, pp. 1-10).
- Dai, D. Y. (2017). Envisioning a new foundation for gifted education: Evolving Complexity Theory (ECT) of talent development. *Gifted Child Quarterly*, 61, 172-182.

- Dai, D. Y., & Cheng, H. (2017). How to overcome the one-track mind: Teaching for wisdom and creativity. *Roeper Review*, 39, 174-177.
- Dai, D. Y. (2016). Sources of scientific and technological creativity: Curriculum and instruction in American STEM high schools (in Chinese). *People's Education*, 21, 29-32.
- Shi, B., Dai, D. Y., & Lu, Y. (2016). Openness to experience as a moderator of the relationship between intelligence and creativity: A study of Chinese children in urban and rural areas. *Frontiers in Psychology*, 7:641. doi: 10.3389/fpsyg.2016.00641
- Dai, D. Y. (2015). Ten megatrends in gifted education and challenges for Asian countries. *Forum on Gifted Education* (in Chinese), 13, 1-16.
- Dai, D. Y. (2015). A Jeffersonian vision of nurturing talent and creativity: Toward a more equitable and productive gifted education. *Asia Pacific Education Review*, 16, 269-279.
- Dai, D. Y., Steenbergen-Hu, S., Zhou, Y. (2015). Cope and Grow: A grounded theory approach to early college entrants' lived experiences and changes in a STEM program. *Gifted Child Quarterly*, 59, 75-90.
- Dai, D. Y. (2015). Understanding and serving precocious youth across nations: Introduction to the special issue on early college entrance programs. *Roeper Review*, 37, 5-8.
- Dai, D. Y., & Steenbergen-Hu, S. (2015). Special Class for the Gifted Young: A 34-year experimentation with early college entrance programs in China. *Roeper Review*, 37, 9-18.
- Matthews, D. & Dai, D. Y. (2014). Gifted education: Changing conceptions, emphases, and practice. *International Studies in Sociology of Education*, 24, 335-353. (A European journal)
- Shi, B., Lu, H., Dai, D. Y., & Lin C. (2013). Creative inclinations of urban, rural, and migrant children in China. *Creativity Research Journal*, 25, 300-311.
- Dai, D. Y., & Chen, F. (2013). Three paradigms of gifted education: In search of conceptual clarity in research and practice. *Gifted Child Quarterly*, 57, 151-168.
- Chen, J., Dai, D. Y., & Zhou, Y. (2013). Enable, Enhance, and Transform: How technology use can improve gifted education. *Roeper Review*, 35, 166-176.

- Dai, D. Y., Rinn, A., & Tan, X. (2013) When the big fish turns small: Effects of participating in gifted summer programs on academic self-concepts. *Journal of Advanced Academics*, 24, 4-26.
- Dai, D. Y. (2013). Excellence at the cost of social justice? Negotiating and balancing priorities in gifted education. *Roeper Review*, 35, 93-101.
- Dai, D. Y., & Speerschneider, K. (2012). Cope and Grow: An affective curriculum for talent development. *Talent Development and Excellence*, 4, 181-199.
- Dai, D. Y., Tan, X., Marathe, D., Valtcheva, A., Pruzek, R. M., & Shen, J. (2012). Influences of social and educational environments on creativity during adolescence: Does SES matter? *Creativity Research Journal*, 24, 191-199.
- Dai, D. Y. (2011). Hopeless anarchy or saving pluralism? Reflections on our field in response to Ambrose, VanTassel-Baska, Coleman, and Cross. *Journal for the Education of the Gifted*, 34, 705-730.
- Dai, D. Y., Swanson, J., & Cheng, H. (2011). State of research on giftedness and gifted education during 1998-2010. *Gifted Child Quarterly*, 56, 126-138.
- Dai, D. Y., Gerbino, K. A., Daley, M. J. (2011). Inquiry-based learning in China: Do teachers practice what they preach, and why? *Frontiers of Education in China*, 6, 139-157.
- Dai, D. Y., & Rinn, A. N. (2008). The Big-fish-little-pond effect: What do we know and where do we go from here? *Educational Psychology Review*, 20, 283-317.
- Dai, D. Y., & Renzulli, J. S. (2008). Snowflakes, living systems, and the mystery of giftedness. *Gifted Child Quarterly*, 52, 114-130.
- Dai, D. Y. Shen, J-L. (2008). Cultivating creative potential during adolescence: A developmental and educational perspective. *The Korean Journal of Thinking and Problem Solving*, 18, 83-92.
- Dai, D. Y., Wang, X. (2007). The role of need for cognition and reader beliefs in text comprehension and interest development. *Contemporary Educational Psychology*, 32, 332-347.
- Bidjerano, T., & Dai, D. Y. (2007). Relationship between big-five personality and self-regulated learning. *Learning and Individual Differences*, 17, 69-81.
- Smith, J. S., Dai, D. Y., & Szelest, B. P. (2006). Helping first-year students make the transition to college through advisor-researcher collaboration. *Journal of the National Academic Advising Association*, 26, 67-76.

- Dai, D. Y. (2005). Reductionism versus emergentism: A framework for understanding conceptions of giftedness. *Roeper Review*, 27, 144-151.
- Dai, D. Y., & Coleman, L. J. (2005b). Introduction to the special issue on nature, nurture, and the development of exceptional competence. *Journal for the Education of the Gifted*, 28, 254-269.
- Dai, D. Y., & Coleman, L. J. (2005a). Conclusions and implications for gifted education. *Journal for the Education of the Gifted*, 28, 374-388.
- Hitchcock, J. H., Nastasi, B. K., Dai, D. Y., Newman, J., Jayasena, A., Bernstein-Moore, R., Sarkar, S., & Varjas, K. (2005). Illustrating a mixed-method approach for identifying and validating culturally specific constructs. *Journal of School Psychology*, 43, 259-278.
- Smith, J. S., & Malkani, J., & Dai, D. Y. (2005). Understanding student perceptions of the case method in Educational Psychology. *Teaching Educational Psychology*, 1, 1-11.
- Dai, D. Y. (2002). Are gifted girls motivationally disadvantaged? Review, reflection, and redirection. *Journal for the Education of the Gifted*, 25, 315-358.
- Dai, D. Y. (2002). Incorporating parent perceptions: A replication and extension study of Marsh's I/E model of self-concept. *Journal of Adolescent Research*, 17, 617-645.
- Dai, D. Y., & Schader, R. (2002). Decisions regarding music training: Parental beliefs and values. *Gifted Child Quarterly*, 46, 135-144.
- Dai, D. Y., & Schader, R. (2001). Parents' reasons and motivations for supporting their child's music training. *Roeper Review*, 24, 23-26.
- Dai, D. Y. (2001). A comparison of gender differences in academic self-concept and motivation between high ability and average Chinese adolescents. *Journal of Secondary Gifted Education*, 13, 22-32.
- Dai, D. Y. (2000). To be or not to be (challenged), that is the question: Task and ego orientations among high-ability, high-achieving adolescents. *Journal of Experimental Education*, 68, 311-330.
- Dai, D. Y., & Renzulli, J. S. (2000). Dissociation and integration of talent development and personal growth: Comments and suggestions. *Gifted Child Quarterly*, 44, 247-251.

- Feldhusen, J. F., Dai, D. Y., & Clinkenbeard, P. R. (2000). Dimensions of competitive and cooperative learning among gifted learners. *Journal for the Education of the Gifted*, 23, 328-342.
- Dai, D. Y., & Feldhusen, J. F. (1999). A validation study of Thinking Styles Inventory: Implications for gifted students. *Roeper Review*, 21, 302-307.
- Dai, D. Y., & Davis, J. K. (1998). Field dependence, academic achievement, and career orientations: A study of Chinese high school students. *Gifted and Talented International*, 13, 34-39.
- Dai, D. Y., Moon, S. M., & Feldhusen, J. F. (1998). Achievement motivation and gifted students: A social cognitive perspective. *Educational Psychologist*, 33, 45-63.
- Feldhusen, J. F., & Dai, D. Y. (1997). Gifted students' perceptions and attitudes toward the gifted label, special programs, and peer relations. *Journal of Secondary Gifted Education*, 9, 15-20.
- Feldhusen, J. F., Wood, B. K., & Dai, D. Y. (1997). Gifted students' perceptions of their own talents. *Gifted and Talented International*, 12, 42-45.
- Dai, D. Y., & Feldhusen, J. F. (1996). Goal orientations of gifted students. *Gifted and Talented International*, 11, 84-88.

Other Refereed Publications

- Dai, D. Y., & Feldhusen, J. F. (1997). Beliefs about intelligence and perceived competence: A study of goal orientations of gifted students. In T. L. Cross (Ed.), *Research Briefs, Vol. 11* (pp. 129-139). Washington, DC: National Association for Gifted Children Service Publications.

Book Chapters

- Dai, D. Y. (in press). Two conflicting traditions of creativity research and possible integration. In W. Hu (ed.), *A report on progress in creativity research in China* (3rd volume, in Chinese). Xi'an, China: Shanxi Normal University Press.
- Dai, D. Y. (in press). Evolving Complexity Theory (ECT): A developmental systems approach to giftedness and talent. In R. J. Sternberg, & D. Ambrose (Eds.), *New conceptions of giftedness and talent*. New York: Routledge.
- Dai, D. Y., & Sternberg, R. J. (in press). Introduction: Historical and contemporary perspectives on human potential. In D. Y. Dai, & R. J. Sternberg (Eds.), *Scientific inquiry into human potential: Historical and contemporary perspectives across disciplines*. New York: Routledge.

- Dai, D. Y. (in press). Epilogue: A historical narrative of scientific discourse on human potential. In D. Y. Dai, & R. J. Sternberg (Eds.), *Scientific inquiry into human potential: Historical and contemporary perspectives across disciplines*. New York: Routledge.
- Dai, D. Y. (2020). Evolving Complexity Theory of talent development. In T. Cross, & P. Olszewski-Kubilius (Eds.), *Conceptions of giftedness and talent*. Prufrock Press.
- Dai, D. Y., & Zhao, Y. (2020). In search of explanation for an East Asian approach-avoidance pattern of achievement motivation. In S. Smith (Ed.), *The Australian-Pacific handbook of gifted education*. New York: Springer.
- Dai, D. Y. (2019). How to produce elites without elitism: A Jeffersonian Vision of meritocracy. In J-L. Derouet, & Y. Huo (Eds.), *The making of the elite in France and in China (17th-21st centuries)*. (by a French academic publisher)
- Dai, D. Y. (2019). Gifted education in Asia: Vision and capacity. In B. Wallace, D. Sisk, & J. Senior (Eds.), *The Sage handbook of gifted and talented education* (pp. 462-478). London: Sage.
- Dai, D. Y. (2018). Gifted children and gifted education. In Q. Wu, Y. Hu (Eds.), *Handbook of educational psychology* (in Chinese, pp. 127-157). Shanghai, China: East China Normal University Press.
- Dai, D. Y. (2018). A history of giftedness: Paradigms and paradoxes. In S. Pfeiffer (Ed.), *the Spring handbook of giftedness and gifted education: Psychoeducational theory, research, and best practices* (2nd ed., pp. 1-14). Cham, Switzerland: Springer.
- Dai, D. Y. (2018). A century of quest for identity: A history of giftedness. In S. Pfeiffer (Ed.), *The APA handbook on giftedness and talent* (pp. 3-23). Washington DC: American Psychological Association Press.
- Dai, D. Y. (2016). Envisioning a new century of gifted education: The case for a paradigm shift. In D. Ambrose & R. J. Sternberg (Eds.), *Giftedness and talent in the 21st century: Adapting to the turbulence of globalization* (pp. 45-63). New York: SensePublishers.
- Dai, D. Y. (2016). Creativity research in China and creativity in China: Reflection and Projection. In W. Hu (ed.), *A report on progress in creativity research in China* (pp. 176-185). Xi'an, China: Shanxi Normal University Press.
- Dai, D. Y. (2016). Looking back to the future: Toward a new era of gifted education. In D. Y. Dai & C. C. Kuo (Eds.), *Gifted education in Asia: Problems and prospects* (pp. 295-318). Charlotte, NC: Information Age Publishing.

- Dai, D. Y., Kuo, C. C. (2016). The state of gifted education in Asia: The need for a critical assessment. In D. Y. Dai & C. C. Kuo (Eds.), *Gifted education in Asia: Problems and prospects* (pp. vii-xvii). Charlotte, NC: Information Age Publishing.
- Dai, D. Y., Steenbergen-Hu, S., & Yang, Y. (2016). Gifted education in China: How it serves a national interest and where it falls short. In D. Y. Dai & C. C. Kuo (Eds.), *Gifted education in Asia: Problems and prospects* (pp. 51-75). Charlotte, NC: Information Age Publishing.
- Dai, D. Y. (2015). Indigenous Chinese epistemologies as a source of creativity. In A-G. Tan, and C. Perleth (Eds.), *Creativity, culture, and development* (pp. 29-44). New York: Springer.
- Dai, D. Y. (2015). Cultivating creativity through education: Strategies and issues (in Chinese). In X. Zhou, & C. Cong (Eds.), *Historical situations and cultural spaces* (pp. 354-374). Beijing: Sanlian Book Publishing.
- Dai, D. Y. (2014). Thinking and learning styles. In J. Plucker & C. Callahan (eds.), *Critical issues and practices in gifted education* (2nd ed., pp. 569-579). Waco, TX: Prufrock Press.
- Dai, D. Y. (2013). Theoretical problems and prospects of gifted education in the USA. In D. Y. Dai, & J. Cai, (Eds.), *Gifted education in the USA* (in Chinese, pp. 140-163). Hangzhou, ZJ: Zhejiang Education Press.
- Dai, D. Y., & Cai, J. (2013). Introduction to gifted education in the USA. In D. Y. Dai, & J. Cai, (Eds.), *Gifted education in the USA* (in Chinese, pp. 1-12). Hangzhou, ZJ: Zhejiang Education Press.
- Chen, F., & Dai, D. Y. (2013). Identification of gifted and talented students. In D. Y. Dai, & J. Cai, (Eds.), *Gifted education in the USA* (in Chinese, pp.27-36). Hangzhou, ZJ: Zhejiang Education Press.
- Chen, J., Zhou, Y., & Dai, D. Y. (2013). How technology is used to support gifted education. In D. Y. Dai, & J. Cai, (Eds.), *Gifted education in the USA* (in Chinese, pp. 116-139). Hangzhou, ZJ: Zhejiang Education Press.
- Dai, D. Y., Li, X. (2013). Beyond school walls: Gifted and talented education as a social enterprise. In D. Y. Dai, & J. Cai, (Eds.), *Gifted education in the USA* (in Chinese, pp. 105-115). Hangzhou, ZJ: Zhejiang Education Press.
- Dai, D. Y. (2013). Nurturing the gifted child or developing talent? Resolving a paradox. In B. Sriraman, D. Ambrose, & T. Cross (Eds.), *The Roeper School: A model for*

- holistic development of high ability* (pp. 79-97). Rotterdam, the Netherlands: Sense Publishers.
- Dai, D. Y. (2013). Gifted education in the USA: Problems and prospects. In T. Zheng, & J. Zhao (Eds.) *International perspectives on gifted education* (in Chinese) (pp. 67-91). Shanghai: East China Normal University Press.
- Dai, D. Y. (2013). How advances in gifted education contribute to innovation education, and vice versa. In L. Shavinina (ed.), *International handbook on innovation education*. (pp. 52-67). New York: Routledge.
- Dai, D. Y. (2013). *Introduction to the translation book series "Creativity, Education, and Societal Development"*. In Dai, D. Y., & Shen, J. (Eds.), "Creativity, education, and society" translation book series. Shanghai: East China Normal University Press.
- Dai, D. Y. (2013). Naturalizing and contextualizing self: Self-in-action and self-in-reflection in differential development. In D. M. McInerney, H. W. Marsh., R. G. Craven, & F. Guay (Eds.), *Theory driving research: New wave perspectives on self-processes and human development* (pp. 183-204). Charlotte, NC: Information Age Publishing.
- Dai, D. Y. (2012). *The nature-nurture debate regarding high potential: Beyond dichotomous thinking*. In D. Ambrose, R. J. Sternberg, & B. Sriraman (Eds.), *Confronting dogmatism in gifted education* (pp. 41-54). New York: Routledge.
- Dai, D. Y. (2012). From smart person to smart design: Cultivating intellectual potential and promoting intellectual growth through design research. In D. Y. Dai (ed.), *Design research on learning and thinking in educational settings: Enhancing intellectual growth and functioning* (pp. 3-40). New York: Routledge.
- Dai, D. Y. (2012). Fostering students' critical thinking and creativity. In L. Zhao, & Y. Li (Eds.). *International studies on teacher professional development* (pp. 220-226) (in Chinese). Shanghai: East China Normal University Press.
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Dai, D. Y. (2009). Learning. In B. Kerr (ed.), *Encyclopedia of giftedness, talent, and creativity* (pp.). New York: Sage.

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Solicited and Unsolicited Book Reviews and Target Journal Article Reviews/Comments

Dai, D. Y. (2014). Illuminating and illuminated lives: A review of the book “A Century of Contributions to Gifted Education”. *PsycCRITIQUES-Contemporary Psychology: APA Review of Books*. Vol. 59, No. 50, Article 3.

Dai, D. Y. (2014). Charting pathways from pretend play in childhood to adult creativity. *PsycCRITIQUES-Contemporary Psychology: APA Review of Books*. Vol. 59, No. 33, Article 5.

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Dai, D. Y. (2012). Giftedness in the making: A response to Ziegler and Phillipson (2012). *High Ability Studies*, 23, 47-50.

Dai, D. Y. (2011). Various paths, common themes: A review of the book *Gifted Lives* by Joan Freeman. *PsycCRITIQUES—Contemporary Psychology: APA Review of Books*. Vol. 56, Release 13, Article 8.

- Dai, D. Y. (2011). A review of *Explorations in Giftedness* by Sternberg, Jarvin, & Grigorenko. *Teachers College Record (on-line)*, published January 25, 2011. Retrieved from: <http://www.tcrecord.org> on February 1, 2011.
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- Dai, D. Y., & Cao, J. (2006). Temperament: The issue of nature and nurture. [Review of the book *Children's temperament: Working with children's behavioral style*]. *PsycCRITIQUES—Contemporary Psychology: APA Review of Books*, Vol. 51, Release 36, Article 16.
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- Dai, D. Y. (2004). How universal is the Big-Fish-Little-Pond Effect? *American Psychologist*, 59, 267-268.
- Dai, D. Y. (2003). How useful is the concept of motivation for developmental theory: Ten questions we can ask. *Contemporary Psychology: The APA Review of Books*, 48, 762-766.
- Dai, D. Y. (2003). The making of the gifted: Implications of Sternberg's WICS model of giftedness. *High Ability Studies*, 14, 141-142.
- Dai, D. Y. (2003). Carving Mental Life at its joints: The promise and prospects of reversal theory. *Contemporary Psychology: The APA Review of Books*, 48, 498-500.

Dai, D. Y. (2000). The theory of multiple intelligences: Background, significance, and problems. *New Waves in Educational Research and Development: An English-Chinese Quarterly*, 5(3), 38-43.

B. Organization of Symposia and Individual Presentations

Keynote and invited speeches

Speaker at the 2nd American-European Summit on Talent Development (speech titled “*A Critique of talent development theories and models from a developmental science perspective*”), Nuremberg, Germany, October, 2018.

Keynote speaker at *Gifted Children and Gifted Education Congress* (speech title “Hierarchies and networks”) held at Hasan Kalyoncu University, Gaziantep, Turkey, May 4-6, 2018.

Keynote speaker at the Biannual Conference of the Asia-Pacific Federation on Giftedness (keynote speech titled “*PISA, rocket boys, and looking for 1871, Chicago*”), Macau, China, July 14, 2016.

Speaker at the Inaugural American-European Summit on Talent Development (speech titled “*Talent development: An evolving complexity theory*”), Washington DC, April 5, 2016.

Keynote speaker at the International Forum on High School Education (keynote speech titled “*Nurturing creativity in STEM fields: American experiences*”), Fuzhou, China, July 10, 2015.

Keynote speaker at the 2nd Creativity Research Conference in China (keynote speech titled “*Three theoretical orientations of nurturing creativity and related educational strategies*”), organized and sponsored by Shanxi Normal University, Shanxi, China, June 18, 2015.

Keynote speaker at the Working Conference of the Science Talent Program sponsored by the China National Council of Science, Nanjing, June 25, 2015.

Keynote speaker at the International Forum on Science Education, organized and sponsored by the China National Council of Science. Nanjing, June 8, 2015.

Keynote speaker at the National Association for Gifted Education in Taiwan (title: “*Ten megatrends in gifted education*”). Taipei, May 23, 2015.

Delivered the Esther Katz Rosen Lecture on Gifted Children/Adolescents (title: “*Giftedness in the making: the being and doing of talent development and creativity*”) at the 2014 American Psychological Association (APA)

Convention in Washington, DC, invited and sponsored by the American Psychological Foundation (APF) August 8, 2014.

Keynote speaker for a conference on Intelligence and Creativity sponsored by GEAR Foundation, Bangalore, India. July 11, 2014.

Invited speaker at the 1st International Conference on Research in Education and Curriculum Planning for Gifted Minds “Gifted Minds: Recognize, Nurture, Uphold”, organized by the Jagadis Bose National Science Talent Search, New Delhi, India in February 4-6, 2014.

Keynote speaker at the 2nd International Conference on Identifying and Cultivating Creative Potential in High School, organized by East China Normal University. Hangzhou, China. March 16, 2013.

Delivered the 2013 Hotung Lecture (title: “*East meets West: Gifted education in the US and China*”, sponsored by the Hong Kong Academy for Gifted Education, Jan 15, 2013.

Mini-keynote speaker at the first international conference on “*Identifying and cultivating creative potential in high school*,” East China Normal University, Shanghai, December 10, 2011.

Invited speaker at the 11th Asia-Pacific Federation on Giftedness conference, Sydney, Australia. August, 2010.

Keynote speaker at an *International Conference on Cultivation and Education of Creativity and Innovation* (the Biennial Conference of International Research Association for Talent Development and Excellence), sponsored by the Institute of Psychology, China Academy of Science. Xi'an, China, October 30--November 2, 2009.

Keynote speaker at the International Conference on Cognition, Emotion, and Motivation: Integrative Approaches to Performance, organized by the University of Tunis, Tunisia, October, 2007.

Organization of Symposia

Dai, D. Y. (Organizer, 2013, April). *Gifted education in East Asia*. A symposium held at the Chinese American Educational Research and Development Association annual conference, San Francisco.

Dai, D. Y. (Organizer, 2012, November). *Early college entrance programs across nations: Practices, research, and perspectives*. Symposium at the annual

convention of the National Association for Gifted Children, Denver. Participants: Miraca Gross of University of New South Wales, Nancy Hertzog of University of Washington, Micheal Saylor of University of North Texas, David Yun Dai of University at Albany, SUNY, and Saiying Steenbergen-Hu, Duke University.

Dai, D. Y. (Organizer, Chair, & Discussant) (2006, April). *Infusing affect into models of text comprehension*. A symposium held at the annual meeting of the American Educational Research Association, San Francisco. Participants: *van den Broek* of Univ. of Minnesota, *David Havas* of Univ. of Wisconsin-Madison, *Mark Sadoski* of Text A&M, *John Guthrie* of Univ. of Maryland.

Dai, D. Y. (Organizer, Chair) (2005, April). *Beyond cognitivism: Where are we now?* An interactive symposium held in the 2005 annual meeting of the American Educational Research Association. Montreal, Canada. Participants: *Patricia Alexander* of Univ. of Maryland, *Kurt Fischer* of Harvard Univ., *James Greeno* of Univ. of Pittsburgh, *David Perkins* of Harvard Univ., *Barry Zimmerman* of CUNY Graduate Center.

Dai, D. Y. (Organizer, Chair) (2005, April). *Educational psychology and teacher education: Case methods as a bridge*. A symposium held in the 2005 annual meeting of the American Educational Research Association. Montreal, Canada. Participants: *Randi Engle* and *Robert Faux* of Univ. of Pittsburgh, *David Dai*, *Nathan Gonyea*, *Joanne Malkani*, & *Xiuyuan Zhang* of UAlbany, and *Zheng Yan* & *Zhili Liang* of UAlbany, *Joshua Smith* of Indiana University-Indianapolis.

Dai, D. Y. (Organizer) (2004, April) *The role of affect in context processing/comprehension: Implications for theory, research, and practice*. A symposium held in the 2004 annual meeting of the American Educational Research Association. San Diego, California. Participants: *Patricia Alexander* of Univ. of Maryland, *Suzanne Hidi* of Univ. of Toronto & *Ann Renninger* of Swarthmore College, *David Dai* of UAlbany, *Elizabeth Linnenbrink* of Univ. of Toledo. Chair: *Gale Sinatra* of UNLV; Discussant: *CarolAnne Kardash* of UNLV.

Presentations at Major International and National Professional Conferences

Mekik, C., Sun, R., & Dai, D. Y. (2018). Similarity-based and rule-based reasoning in Raven's Matrices. Paper presented to ICCM2018.

Dai, D. Y. (2018, November). *Lightning talk: Panel presentation* at the annual convention of the National Association for Gifted Children, Minneapolis, MN.

Dai, D. Y. (2018, October). *A critique of talent development models and theories: a developmental science perspective*. Paper presented at the Second Euro-American Summit on Talent Development. Nuremberg, Germany.

Mekik, C. Sun, R., & Dai, D. Y. (2018, July). *Similarity-based reasoning for addressing Raven's Matrices*. The IJCAI-ECAI-2018.

- Dai, D. Y. (2018, June). *Negative correlation of PISA performance and entrepreneurship: In search of an explanation from cultural perspective*. Invited speech at the 5th annual conference on creativity in China, Jinan, Shandong, China.
- Dai, D. Y., Steenbergen-Hu, S., & Li, X. (2018, April). *How early college entrants viewed their college experiences: Lessons in hindsight*. Paper to be presented at the Wallace International Symposium on Talent Development, Baltimore, MD.
- Dai, D. Y., Steenbergen-Hu, S., & Li, X. (2018, April). How early college entrants viewed their college experiences: Lessons in hindsight. Poster to be presented at the Annual meeting of the American Educational Research Association, New York City.
- Dai, D. Y. (2017, November). *My scholarly journey and my wish list for the future of gifted education: the 2017 Distinguished Scholar speech* presented at the annual meeting of the National Association for the Gifted Children, Charlotte, NC.
- Zhou, Y., & Dai, D. Y. (2017, April). *Clarifying the role of implicit theory in the big-fish-little-pond effect*. Poster presented at the 2016 American Educational Research Association annual meeting. San Antonio, TX.
- Dai, D. Y. (2016, November). *The case for a paradigm shift: A Conceptual Foundations Signature Session*. Paper presented at the 2016 National Association for Gifted Children annual convention. Orlando, Florida.
- Dai, D. Y. (2016, November). *Beyond the Gifted Child Paradigm: Practical recommendations*. Panel presentation at the 2016 National Association for Gifted Children annual convention. Orlando, Florida.
- Zhou, Y., & Dai, D. Y. (2016, November). *Big-fish-little-pond effect in the first year of attending a prestigious college*. Poster presented at the 2016 National Association for Gifted Children annual convention. Orlando, Florida.
- Dai, D. Y. (2016, July). *PISA, rocket boys, and looking for 1871, Chicago: Where Asian students are falling short and what we can do about it*. Keynote speech at the Biannual Conference of the Asia-Pacific Federation on Giftedness, Macau, China.
- Dai, D. Y. (2016, June). *Can machine be creative? Implications of AlphaGo and new developments of artificial intelligence*. Presentation at the 3rd Creativity Research Conference in China, sponsored by the Central China Normal University, Wuhan, China.
- Dai, D. Y. (2016, April). *Talent development: An evolving complexity theory (ECT)*. Speech at the Inaugural American-European Summit on Talent Development, Washington DC.

- Dai, D. Y. (2015, November). *Paradigm shift in gifted education*. Panel presentation at the annual convention of the National Association for Gifted Children. Phoenix, AZ.
- Dai, D. Y. (2015, October). Three approaches to nurturing creativity. A keynote speech at Nuremberg Conference on Cutting-Edge Research on Talent Development. Nuremberg, Germany.
- Dai, D. Y. (2014, November). *Rethinking gifted education*. Panel presentation at the annual convention of the National Association for Gifted Children. Baltimore.
- Dai, D. Y. (2014, October). *How to produce elites without elitism*. Paper presented at the international conference on “the Making of the Elite in France and in China.” Lyon, France.
- Dai, D. Y. (2014, August). *Giftedness in the making: The “being” and “doing” of talent development and creativity*. Esther Katz Rosen Lecture on Gifted Children/ Adolescents at the 2014 American Psychological Association (APA) Convention, invited and sponsored by American Psychological Foundation (APF), Washington, DC.
- Dai, D. Y. (2014, March). *Early college entrance programs across nations*. Presentation at Wallace International Symposium on Talent Development, Washington, DC.
- Dai, D. Y. (2013, November). *Cope and Grow: An affective curriculum for talent development*. Presentation at the National Association for Gifted Children annual convention, Indianapolis.
- Dai, D. Y., & Chen, F. (2013, November). *Toward a paradigmatic approach to research in gifted education*. Presentation at the National Association for Gifted Children annual convention, Indianapolis.
- Dai, D. Y., Lam, P., & Quek, C. (2013, April). *Gifted education in Singapore and Hong Kong*. Presentation at the Chinese American Educational Research and Development Association annual conference, San Francisco.
- Dai, D. Y., Li, S., & Zhou, Y. (2013, April). *A Study of Chinese early college entrants who later became professors at research universities in the US*. Paper presented at the American Educational Research Association (AERA) annual convention, San Francisco.
- Dai, D. Y. (2013, March). Three theoretical models of nurturing creativity and related implementation strategies. Keynote speech at the *Second International Conference on Education for Creativity*, organized by East China Normal University. Hangzhou, China.

- Dai, D. Y. (2013, March). How American teachers teach history and civics: A case analysis. Presentation at *Second International Conference on Education for Creativity*, organized by East China Normal University. Hangzhou, China.
- Dai, D. Y. (2012, November). A panel discussion of the nature and conceptual foundations of the field of gifted education. The National Association for Gifted Children annual convention, Denver, CO.
- Dai, D. Y., & Steenbergen-Hu, S. (2012, November). An early college entrance program in China. Presentation at the National Association for Gifted Children annual convention, Denver, CO.
- Dai, D. Y., & Westcott, K. (2012, April). *Cope and Grow: A model of affective curriculum for talent development*. Presentation at the annual meeting of the American Educational Research Association. Vancouver, Canada.
- Dai, D. Y. (2011, November). *Giftedness: A quantitative or qualitative difference?* Panel discussion. Annual convention of the National Association for Gifted Children. New Orleans.
- Dai, D. Y., Steenbergen-Hu, S., & Zhou, Y. (2010, May). *In search of a niche: A retrospective study of an early entrance college program in China*. Paper presented at the Wallace Symposium on Talent Development, Iowa City, Iowa.
- Dai, D. Y., Gerbino, K., & Daley, M. (2010, April). *Inquiry-based learning in China: A teacher survey*. Paper presented at the annual meeting of the Chinese American Educational Research and Development Association, Denver, Colorado.
- Dai, D. Y. (2009, April). State of research in gifted education. A panel discussion organized by J. Plucker and C. Callahan. Speech to be presented at the annual meeting of the American Educational Research Association, San Diego, California.
- Dai, D. Y., Marathe, D., Valtcheva, A., Tan, X., & Shen, J. (2009, April). Influences of social and educational environments on creativity during adolescence. Paper to be presented at the annual meeting of the American Educational Research Association, San Diego, California.
- Dai, D. Y., Swanson, J. & Chen, H. (2009, April). State of research on giftedness and gifted education: A survey of research since 1997. Paper to be presented at the annual meeting of the American Educational Research Association, San Diego, California.
- Dai, D. Y., & Chang, H. H. (2008, March). *Measuring, diagnosing, and explaining levels of expertise in the game of go: Using task analysis in item response theory*. Paper

- presented at the annual meeting of the American Educational Research Association, New York City.
- Rinn, A. N., Dai, D. Y. (2008, March). Stability and change in academic self-concept in a summer program for the gifted adolescents. Paper presented at the annual meeting of the American Educational Research Association, New York City.
- Cohen, M., Dai, D. Y. Malkani, J. & Valtetica, A. (2008, March). Reframing effect of class interaction on understanding classroom problems. Paper presented at the annual meeting of the American Educational Research Association, New York City.
- Dai, D. Y. (2007, November). *Essential tensions surrounding gifted education*. Poster presented at the annual convention of the National Association for Gifted Children. Minneapolis.
- Rinn, A. N., & Dai, D. Y. (2007, November). *Should we keep a big fish in a little pond? A study of effects of a summer gifted program on adolescents' self-concept*. Poster presented at the annual convention of the National Association for Gifted Children. Minneapolis.
- Dai, D. Y. (2007, October). *Levels of analysis in integrated models of human performance*. Invited keynote speech at the International Conference on Cognition, Emotion, and Motivation: Integrative Approaches to Performance, organized by the University of Tunis, Tunis, Tunisia.
- Dai, D. Y. (2007, April). Culture and creativity: Where Chinese students might fall short, and what education can do about it? Invited speech as one of the Presidential Panel of Chinese American Educational Research and Development Association (CAERDA). Chicago.
- Dai, D. Y. (2007, April). *Development of specific talents in gifted students*. Discussant of four research papers at annual meeting of American Educational Research Association, Chicago.
- Dai, D. Y. & Gonyea, N. (2007, April). *Effects of need for cognition and reader beliefs on text comprehension: In search of convergent evidence*. Paper presented at the annual meeting of American Educational Research Association, Chicago.
- Dai, D. Y. (2006, November). *Best practices in teaching creative and critical thinking*. Invited Presidential Panel speaker at the annual convention of the National Association for Gifted Children, Charlotte, North Carolina.
- Dai, D. Y. (2006, October). *Promoting creative and critical thinking in the classroom*. Presentation made at the 2nd International Forum on Teacher Education at East China Normal University. Shanghai.

- Dai, D. Y., & Fernandez, P. (2006, April). *Integrating stereotype threat in a broader context of motivation: A study of college students' math performance*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Dai, D. Y. (2005, November). *Motivation and the gifted*. Invited panel discussion. At the annual convention of National Association for Gifted Children, Louisville, Kentucky.
- Dai, D. Y. (2005, November). *The Big-Fish-Little-Pond-Effect: Theoretical, practical, and methodological considerations*. Paper presented at the annual convention of National Association for Gifted Children, Louisville, Kentucky.
- Dai, D. Y., Gonyea, N., Malkani, J., & Zhang, X., & Smith, J. (2005, April). *Have We Got What We Wanted? An Analysis of Students' Case Analyses*. Paper presented at the 2005 annual meeting of American Educational Research Association, Montreal, Canada.
- Dai, D. Y. (2004, November). *Current trends and future directions in Motivation and Gifted Children*. Panel discussion presented at the annual convention of the National Association for Gifted Children. Salt Lake City, Utah.
- Dai, D. Y. (2004, November). *Beyond ability-centric conceptions of giftedness: Toward an aptitude theory*. Paper presented at the annual convention of the National Association for Gifted Children. Salt Lake City, Utah.
- Dai, D. Y. (2004, April). *Cognitive and affective engagement in text comprehension*. in the 2004 annual meeting of the American Educational Research Association. San Diego, California.
- Dai, D. Y. (2004, April) *Motivational style: Context and individual differences*. Paper presented in the 2004 annual meeting of the AERA, San Diego, California.
- Dai, D. Y. (2003, November). *The essential tension in gifted education*. Paper presented at the annual convention of the National Association for Gifted Children. Indianapolis, Indiana.
- Dai, D. Y., Cao, J., & Wang, X. (2003, August). *Assessment of children's temperament: A cultural-ecological lens*. Paper presented at the annual convention of the American Psychological Association, Toronto.
- Dai, D. Y., Wang, X., & Lanaro, K. (2003, April): *Beyond the information given: Effects of need for cognition and reader beliefs on the comprehension of narrative and*

- expository texts*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Hitchcock, J. Nastasi, B. Dai, D., & Newman, J. (2003, April): *Identifying and validating culturally specific, emic factors relevant to self-concept: Methodological considerations*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.
- Dai, D. Y. (2002, April). *Need for cognition, beliefs about reading, and levels of processing in narrative text*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Dai, D. Y. (2001, November). *Are gifted girls motivationally disadvantaged? What we know, and how we know*. Paper presented at the annual convention of the National Association for Gifted Children, Cincinnati, Ohio.
- Dai, D. Y. (2001, November). *Intelligence is as intelligence does: Toward a functional theory of intelligence*. Paper presented at the annual convention of the National Association for Gifted Children, Cincinnati, Ohio.
- Dai, D. Y. (2001, April). *Are gifted girls motivationally at risk?* Paper presented at the annual meeting of the American Educational Research Association, Seattle, Washington.
- Dai, D. Y. (2000, November). *Goal orientations of gifted adolescents: A profile analysis*. Paper presented at the 47th Annual Convention of the National Association for Gifted Children. Atlanta, Georgia.
- Dai, D. Y., & Plucker, J. (2000, November). *Issues and prospects of gifted education*. Paper presented at the 47th Annual Convention of the National Association for Gifted Children. Atlanta, Georgia.
- Dai, D. Y., & Schader, R. (2000, May). *Parents' expectancy beliefs, values, and decisions regarding their children's music training*. Paper presented at the 5th Wallace National Research Symposium on Talent Development, University of Iowa, Iowa City, Iowa.
- Dai, D. Y. (2000, April). *A cross-sectional study of gender differences in Chinese adolescents academic self-concept and self-esteem*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Dai, D. Y. (1999, November). *Motivation and creativity: Levels of explanation*. Paper presented at the 46th Annual Convention of the National Association for Gifted Children, Albuquerque, New Mexico.

Dai, D. Y., & Schader, R. (1999, November). *Developing musical talent: Promise and Problems*. Paper presented at the 46th Annual Convention of the National Association for Gifted Children. Albuquerque, New Mexico.

Dai, D. Y., & Feldhusen, J. F. (1998, April). *The role of judgments of significant others in the development of a hierarchical self-concept: A study of Chinese adolescents*. Paper presented at the 1998 annual meeting of the American Educational Research Association, San Diego, California.

Dai, D. Y., & Feldhusen, J. F. (1998, April). *Mapping an interrelated network of constructs associated with goal theories: A study of gifted students*. Paper presented at the 1998 annual meeting of the American Educational Research Association, San Diego, California.

Dai, D. Y., Moon, S. M., & Feldhusen, J. F. (1997, November). *Achievement motivation of gifted children: A bridge from potential to actualization*. Paper presented at the 44th Annual Convention of the National Association for Gifted Children. Little Rock, Arkansas.

Dai, D. Y., & Feldhusen, J. F. (1997, November). *Intellectual styles of gifted children*. Paper presented at the 44th Annual Convention of the National Association for Gifted Children. Little Rock, Arkansas.

Feldhusen, J. F., Dai, D. Y., & Clinkenbeard, P. (1997, November). *Dimensions of Cooperation and Competition in Gifted Education*. Paper presented at the 44th Annual Convention of the National Association for Gifted Children. Little Rock, Arkansas.

Dai, D. Y., & Feldhusen, J. F. (1996, November). *Implicit theories of intelligence, perceived competence, and goal orientations of gifted children*. Paper presented at the 43rd Annual Convention of the National Association for Gifted Children. Indianapolis, Indiana.

Dai, D. Y., & Kelly, K. (1996, November). *Charting pathways to extraordinary career achievement: An integrative model of career development of talented individuals*. Paper presented at the 43rd Annual Convention of the National Association for Gifted Children. Indianapolis, Indiana.

Other Presentations

Dai, D. Y. (2018, June). What I learned from my research career. Presentation in the School of Psychology, Southwest University, Chongqing, China.

Dai, D. Y. (2016, October). *Three theoretical models of creativity*. Presentation at Conference on the Creative Process in the Arts and Sciences, the SUNY

Conversations in the Discipline Program. Purchase College, SUNY, Purchase, New York.

Dai, D. Y. (2016, June). *STEM education in the USA*. River International Education. Guangzhou.

Dai, D. Y. (2015, December). What teachers can do when there is no special education provision? A workshop for teachers and parents in Genova, Italy.

Dai, D. Y. (2015, September). *How to nurture creativity*. Invited presentation at Redbaud University, Nijmegen, Netherlands.

Dai, D. Y. (2015, July). *What can we learn from American high schools?* A speech at a workshop on cultivating creative talent, Guiyang, Guizhou, China.

Dai, D. Y. (2013, July). *High school curriculum for developing creativity*: A workshop for high school teachers. Zhengzhou, China.

Dai, D. Y. (2013, March). *How American teachers teach history and politics*: A workshop for Chinese teachers. Hangzhou, China.

Dai, D. Y. (2013, February). *Three theoretical models of nurturing creativity and corresponding educational strategies*. Invited presentation to a group of Chinese teachers from High School of Capital Normal University. Baltimore (Feb. 1).

Dai, D. Y. (2013, January). *Parenting in China*. A workshop for parents of high school students. Guangzhou, China (Jan. 12).

Dai, D. Y. (2012, December). *Three theoretical models of nurturing creativity and their educational implications*. Invited presentation at School of Psychology, South China Normal University, Guangzhou, China.

Dai, D. Y. (2011, June). *Contributions of psychological research on the psycho-cultural basis of Chinese calligraphy*. Invited speech at the Lecture series of the Psychology and Education of Chinese Calligraphy. East China Normal University, Shanghai.

Dai, D. Y. (2011, June). *Research on creativity: Issues and Directions*. An invited speech at East China Normal University, the School of Psychology. Shanghai.

Dai, D. Y. (2011, June). *Research on creativity: Issues and Directions*. An invited speech at Tsinghua University, the Department of Psychology. Beijing.

Dai, D. Y. (2011, May). *Three paradigms of gifted education: Toward a common research agenda*. Invited speech at the Hong Kong Institute of Education, Hong Kong (May 26, 2011).

- Dai, D. Y. (2011, May). *Developing an affective curriculum for talent development*. Invited speech at the Hong Kong Academy for Gifted Education. Hong Kong (May 27, 2011).
- Dai, D. Y. (2011, May). *Raising a gifted child: Capturing “parentable” moments*. An invited workshop at the Chinese University of Hong Kong, the Program for the Gifted and Talented. Hong Kong (May 27, 2011).
- Dai, D. Y. (2010, November). *The nature and nurture of giftedness, and others*. A brownbag presentation in the Division of Educational Psychology and Methodology, University at Albany, SUNY. Albany, New York.
- Dai, D. Y. (2010, July). *Protecting and cultivating creativity during adolescence*. Invited keynote at the first conference of Education for Life Enhancement, Nantong, Jiangsu, China.
- Dai, D. Y. (2010, June). *Protecting and cultivating creativity during adolescence*. Invited presentation at Nanjing University, College of Advanced Studies, Nanjing, Jiangsu, China.
- Dai, D. Y. (2010, June). *Protecting and cultivating creativity during adolescence*. Invited presentation at the Department of Psychology, Capital Normal University, Beijing, China.
- Dai, D. Y. (2010, June). *How to cultivate your own potential*. Invited speech to graduate and undergraduate students of University of Science and Technology of China (USTC), Hefei, Anhui, China.
- Dai, D. Y., Gerbino, K., & Daley, M. (2009, April). *Inquiry-based learning in China*. A brownbag presentation in the Division of Educational Psychology and Methodology, University at Albany, SUNY. Albany, New York.
- Dai, D. Y. (2007, November). *Essential tensions surrounding gifted education*. Presentation made at the Brown Bag session of Division of Educational Psychology and Methodology, University at Albany, SUNY. November 14, 2007.
- Dai, D. Y. (2006, October). *Reflections on non-cognitive factors in learning and achievement: A commentary on Dweck’s presentation on motivation and self-regulation*. Presentation made at the working meeting on “Social, Emotional, and Thinking Disposition” organized by the Spencer Foundation, Chicago.
- Dai, D. Y. (2006, June). *Cognitive and motivational processes underlying text comprehension*. Invited speech at a graduate seminar by Dr. Jiliang Shen, Institute of Developmental Psychology, Beijing Normal University.

Dai, D. Y. (2006, June). *Adolescence and creativity*. Invited speech at a seminar of Dr. Biao Shang, Department of Psychology, East China Normal University.

Dai, D. Y. (2004, April), *Incorporating case methods in teaching educational psychology*. Workshop sponsored by the Center for Excellence for Teaching and Learning (CETL), University at Albany, April 21, 2004.

Dai, D. Y. (2004, March), *Research on classroom use of case-based learning*. Presentation made at the Learning and Instruction Forum sponsored by Albany Consortium for Research in Instructional Design and Theory (ACRIDAT). March 25, 2004.

Dai, D. Y. (2003, November). *Research on text comprehension: Integrating motivation, emotion, and cognition*. Brown Bag presentation sponsored by the division of Educational Psychology and Methodology, Department of Educational and Counseling Psychology. ED127, November 2003.

Dai, D. Y. (2002, November). *Rocky roads to expertise: Conceptual and methodological issues of an inquiry*. Presentation made in the Research Apprenticeship series. November 20, 2002.

Dai, D. Y. (2000, October). *Functions of modern education: A normative perspective*. Invited presentation at the 2000 Symposium on the schoolwide enrichment model, organized by the University of Connecticut and Shanghai Teachers University, sponsored by the PRC Department of Education and the China bridges International Fellowship Fund, Shanghai, China.

C. Grants

Co-PI (with Anne Rinn and Hope “Bess” Wilson). EHR Core Research (ECR): For Better or For Worse in a Big Pond: The Positive and Negative Effects of Social Comparison in Highly Selective STEM Education Settings. Grant submitted to National Science Foundation (pending, \$1,400,000 for three years, 2017-2019, not funded).

Co-PI (with Ron Sun). Motivation, learning, and performance: Developing a detailed and comprehensive computational theory. A three-year grant (awarded; May 2017- May 2020; \$882,000) supported by the Army Research Institute.

Principal Investigator: *Comparing accelerated and non-accelerated gifted development at the secondary and college levels: Chinese experiences*. An grant awarded by the Institute for Research and Policy on Acceleration (IRPA) at the Belin-Blank International Center on Gifted Education and Talent Development, University of Iowa (Sept. 2008-Aug. 2009), \$23,000.

Principal Investigator: *Creativity during adolescence: A multinational study*. A Faculty Research Award-Category A (FRAP-B) from the University Research Council, University at Albany, SUNY (April 2006-April 2007), \$4,000.

Principal Investigator: *Charting pathways to expertise in children: Developing procedural competence and conceptual understanding*. A Faculty Research Award-Category A (FRAP-A) from the University Research Council, University at Albany, SUNY (April 2004-April 2005). \$8409.

Lead Faculty Member (with Zheng Yan, Heidi Andrade, & Joshua Smith): “Incorporating case-based inquiry in educational psychology courses for teacher education.” Innovations in Teaching Grant, University at Albany, SUNY (May 2003-May2004). \$5,000.

Principal Investigator: “*A longitudinal study of cognitive and motivational determinants of children’s acquisition of expertise*.” National Science Foundation, Learning and Development Sciences Program (Sept. 2001- Feb. 2004), \$61,833.

Principal Investigator: “*Need for cognition, reasoning ability, and topic familiarity as determinants of interest, processing time and strategy, and task preference*.” Central Missouri State University (2001), \$2,500.

Principal Investigator: “*Home environment, Internalization, and Academic Motivation: A Cross-Cultural Study of American and Chinese Adolescents*.” Purdue Research Foundation, Purdue University (1996), \$ 25,000.

Administrative Experiences and Community and Professional Service and Leadership

Acting Director of the Educational Psychology and Methodology Program, University at Albany, SUNY, Spring and Summer 2014.

Executive Board Member and Program Chair for the AERA annual meeting SIG Research on Talent, Giftedness, and Creativity; 2015-2017.

Member of the Council for Promotion and Continuing Appointments (CPCA, university-level), 2017-

Chair of the Academic Council in the School of Education, SUNY-Albany, 2010-2014.

University Senator, 2004-2006

Vice President of the Chinese Community Center (CCC) in the Capital District of New York State. 2009-2010

Vice Principal of the Chinese Language School in the Capital District of New York State. 2007-2008.