

## Jingjing Sun

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### EDUCATION

- 2015 Ph.D. in Educational Psychology, Cognitive Science of Teaching and Learning  
University of Illinois at Urbana-Champaign  
*Dissertation:* Children's Engagement and Affect in Collaborative Learning and Direct Instruction
- 2013 M.S. in Applied Statistics, University of Illinois at Urbana-Champaign
- 2011 M.S. in Educational Psychology, University of Illinois at Urbana-Champaign  
*Thesis:* Transfer of Children's Emergent Leadership from Collaborative Reasoning to Cooperative Problem Solving
- 2009 B.A. in English, with Honors, Anhui University, China

### ACADEMIC APPOINTMENT

- 2015 - Assistant Professor of Educational Psychology, Department of Teaching & Learning,  
University of Montana

### GRANTS AND FUNDED PROJECTS

#### Ongoing

1. **PI.** *Building Resilience and Social Emotional Competence among Native American Youth.* American Indian/Alaska Native Clinical & Translational Research Program, National Institute of Health, \$54,500, 8/1/2018 – 07/31/2019.
2. **Co-PI.** *Project CLEAR Big Sky.* PI: Tracy Misset. Esther Katz Rosen Grant, American Psychological Foundation, \$37,000, 09/01/2016 – 08/31/2019.

#### Completed

1. **PI.** *The Process of Change: Teachers' Growth in Scaffolding Collaborative Dialogue.* Small Research Grant, University of Montana, \$5,000, 05/01/2017 – 08/31/2018.
2. **PI.** *Preparing STEM Teachers through Technology Supported Collaborative Learning.* Mentored Research Grant, University of Montana, \$8,859, 05/01/2016 – 08/31/2017.
3. **PI.** *Supporting Collaborative Learning with Multi-Touch Screens.* Campus Technology Grant, University of Montana, \$7,650, 01/01/2016 – 05/31/2016.

## SCHOLARLY PUBLICATIONS

### Refereed Journal Articles

1. Morris, J. A., Miller, B., Anderson, R. C., Nguyen-Jahiel, K., Lin, T.-J., Scott, T., Zhang, J., **Sun, J.**, & Ma, S. (2018). Instructional discourse and argumentative writing. *International Journal of Educational Research*, 90, 234-247. doi:10.1016/j.ijer.2018.03.001
2. **Sun, J.**, Anderson, R. C., Perry, M., & Lin, T.-J. (2017). Emergent leadership in children's cooperative problem solving groups. *Cognition and Instruction*, 35(3), 212-235. doi: 10.1080/07370008.2017.1313615
3. Ma, S., Anderson, R. C., Lin, T.-J., Zhang, J., Morris, J. A., Nguyen-Jahiel, K., Miller, B. W., Jadallah, M., Scott, T., **Sun, J.**, Grabow, K., Latawiec, B. M., & Yi, F-H. (2017). Instructional influences on English language learners' storytelling. *Learning and Instruction*, 49, 64-80. doi: 10.1016/j.learninstruc.2016.12.004
4. Ma, S., Zhang, J., Anderson, R. C., Morris, J., Nguyen-Jahiel, Miller, B. W., Jadallah, M., **Sun, J.**, Lin, T.-J., Scott, T., Hsu, Y.-L., Zhang, J., Latawiec, B. & Grabow, K. (2017). Children's productive use of academic vocabulary. *Discourse Processes*, 54(1), 40-61. doi: 10.1080/0163853X.2016.1166889
5. Zhang, X., Anderson, R. C., Morris, J., Miller, B., Nguyen-Jahiel, K., Lin, T.-J., Zhang, J., Jadallah, M., Scott, T., **Sun, J.**, Latawiec, B., Ma, S., Grabow, K., Hsu, Y.-L., & Cui, E. (2016). Improving children's competence in decision making: Contrasting effects of collaborative interaction and direct instruction. *American Educational Research Journal*, 53(1), 194-223.
6. Miller, B., Anderson, R. C., Morris, J., Lin, T.-J., Jadallah, M., & **Sun, J.** (2014). The effects of reading to prepare for argumentative discussion on cognitive engagement and conceptual change. *Learning and Instruction*, 33, 67-80. doi:10.1016/j.learninstruc.2014.04.003

### Book Chapters

7. Lin, T.-J., Ma, S., Anderson, R. C., Jadallah, M., **Sun, J.**, Morris, J., Miller, B. & Sallade, R. (in press). Promoting academic talk through Collaborative Reasoning. In R. Gillies (Ed.), *Promoting academic talk in schools*. UK: Taylor & Francis.
8. Ma, S., **Sun, J.**, Morris, A. J. & Anderson, R. C. (2016). Collaborative reasoning: An instructional approach that promotes higher-order thinking. In W. Li & H. Shu (Eds.), *International research on children's reading*. Beijing, China: Beijing Normal University Press. [In Chinese]
9. **Sun, J.**, Anderson, R. C., Lin, T.-J., & Morris, J. A. (2015). Social and cognitive development during collaborative reasoning. In L. B. Resnick, C. Asterhan, & S. N. Clarke (Eds.), *Socializing intelligence through talk and dialogue*. Washington, DC: American Educational Research Association.

10. Miller, B., **Sun, J.**, Wu, X. & Anderson, R. C. (2013). Child leaders in collaborative groups. In C. E. Hmelo-Silver, C. A. Chinn, C. K. K. Chan, & A. O'Donnell (Eds.), *The international handbook of collaborative learning*. London, UK: Taylor & Francis.

### Manuscripts under Review

11. **Sun, J.**, Anderson, R. C., Morris, J. A., Lin, T.-J., Miller, B., Ma, S., Nguyen-Jahiel, K., & Scott, T. (revise & resubmit). Children's engagement and affect in collaborative learning and direct instruction. *Journal of Educational Psychology*.

### Manuscripts in Progress (\* = mentored student)

12. **Sun, J.**, \*Datu, E., & \*Warchola, G. (in preparation). Teachers as learners: Understanding how teachers learn to facilitate children's collaborative reasoning.
13. **Sun, J.**, Li, H., & Zhang, J. (in preparation). The process of change: Chinese teachers' growth in scaffolding collaborative dialogue.

## PRESENTATIONS

### Refereed Conference Proceedings (\* = mentored student)

1. **Sun, J.**, \*Datu, E., & \*Warchola, G. (2018). Emergent leadership and its influence on collaborative and individual reasoning. In J. Kay & R. Luckin (Eds.). *Rethinking learning in the digital age—Making learning sciences count: The International Conference of Learning Sciences 2018 Proceedings*. London, UK: The International Society of the Learning Sciences.
2. **Sun, J.**, \*Jackson, J., \*Burns, M., & Anderson, R. C. (2017). Emergent leadership and relational thinking in Collaborative Reasoning discussions. In B. K. Smith, M. Borge, E. Mercier, & K.Y. Lim (Eds.), *Making a Difference—Prioritizing Equity and Access in CSCL: The 12<sup>th</sup> International Conference on Computer Supported Collaborative Learning*. Philadelphia, Pennsylvania: The International Society of the Learning Sciences.
3. **Sun, J.** (2016). Children's social and emotional development in collaborative learning. In C.-K. Looi, J. Polman, U. Cress, & P. Reimann. (Eds.) *Transforming Learning, Empowering Learners: The International Conference of Learning Sciences 2016 Proceedings*. Singapore, Singapore: The International Society of the Learning Sciences.
4. Mercier, E., Shehab, S., **Sun, J.** & Capell, N. (2015). The development of collaborative practices in introductory engineering courses. In O. Lindwall, P. Häkkinen, T. Koschman, P. Tchounikine, & S. Ludvigsen. (Eds.) *Exploring the Material Conditions of Learning: The 11<sup>th</sup> Computer Supported Collaborative Learning Conference*. Gothenburg, Sweden: The International Society of the Learning Sciences.

**Invited Talks**

5. **Sun, J.** (2018, July). *Teachers as Learners: A Cross-Cultural Study of American and Chinese Teachers' Learning Journey to Lead Collaborative Reasoning*. Invited talk given at the School of Psychology, Beijing Normal University, Beijing, China.
6. **Sun, J.** (2016, May). *Can we "see" engagement and affect in learning?* Invited talk given at the School of Psychology, Beijing Normal University, Beijing, China.
7. **Sun, J.** (2015, November). *Children's engagement and affect in collaborative learning and direct instruction*. Invited talk given at the Psychology Colloquia Series, University of Montana.

**Peer-reviewed Conference Presentations (\* = mentored student)**

8. **Sun, J., & \*Datu, E.** (under review). Linking individual- and group-level engagement during collaborative discussions. In **J. Sun** (Chair), *The challenges of defining and measuring dialogic interactions in classrooms*. Symposium submitted for presentation at the 2019 annual meeting of the American Educational Research Association, Toronto, Canada.
9. **Sun, J., & \*Datu, E.** (under review). *Teachers as learners: Understanding how teachers learn to facilitate children's collaborative discussions*. Paper submitted for presentation at the 2019 annual meeting of the American Educational Research Association, Toronto, Canada
10. Miller, B. W. & **Sun, J.,** (under review). *Rural students' cultural assets during science argumentation*. Paper submitted for presentation at the 2019 annual meeting of the American Educational Research Association, Toronto, Canada
11. \*Williams, M., Collins, G., Brayko, K., & Sun, J. (2018, Nov.). *Changes in affective factors following a brief intensive literacy intervention*. Paper to be presented at the ASHA 2018 annual convention, Boston, MA.
12. **Sun, J., \*Datu, E. & Anderson, R. C.** (2018, April). *The impact of emergent leadership on collaborative and individual reasoning*. Paper presented at the 2018 annual meeting of the American Educational Research Association, New York, NY.
13. **Sun, J., Li, H., Zhang, J., & \*Jackson, J.** (2017, August). *Teachers' growth in scaffolding collaborative reasoning discussions*. In **J. Sun** (Chair), *Why is it so hard? Teachers' growth in scaffolding collaborative dialogue*. Symposium presented at the 17<sup>th</sup> Biennial Conference of the European Association for Research on Learning and Instruction (EARLI), Tampere, Finland.
14. Brayko, K., & **Sun, J.** (2017, July). *Examining the impact of Spanish immersion on young native English speakers' English literacy skills*. Poster presented at the twenty-fourth annual meeting of Society for the Scientific Study of Reading, Halifax, Canada.
15. **Sun, J.** (2017, April). *Children's emergent leadership and relational thinking in collaborative learning*. Roundtable presented at the annual meeting of the National Consortium of Instruction and Cognition, San Antonio, Texas.

16. Anderson, R. C., Ma, S., & **Sun, J.** (2016, August). Social facilitation of cognitive development. In B. Schwarz (Chair), *Beyond idealized models of small group dialogic thinking*. Symposium conducted at the Joint Meeting of the EARLI Special Interest Groups SIG 20 and SIG 26 "Inquiry and Argumentation: Education for Thinking," Ghent, Belgium.
17. **Sun, J.**, & Anderson, R. C. (2016, August). Children's engagement and affect in classroom learning. In C. Asterhan (Chair), *Can you feel the heat? Affect in argumentation and conflict*. Symposium conducted at the Joint Meeting of the EARLI Special Interest Groups SIG 20 and SIG 26 "Inquiry and Argumentation: Education for Thinking," Ghent, Belgium.
18. **Sun, J.** (2014, June). *Examining collaborative learning through social network analysis*. Paper presented at the Social, Motivational, and Affective Dimensions of Learning through Social Interaction Workshop at the 11<sup>th</sup> International Conference of the Learning Sciences, Boulder, CO.
19. **Sun, J.**, & Anderson, R. C. (2016, April). *Children's engagement and affect in collaborative learning and direct instruction*. Poster presented at the annual meeting of the American Educational Research Association, Washington, DC.
20. **Sun, J.**, Morris, J. A., Anderson, R. C., Delisi, B., Shah, S., & Wang, R. T. (2015, April). *The interplay of peer relationships, classroom discourses, and reasoning*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
21. **Sun, J.**, & Anderson, R. C. (2014, April). *Collaborative group work leads to increased school engagement*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
22. **Sun, J.** (2013, June). *School engagement enhanced through a collaborative science unit*. Paper presented at the 2nd Annual Learning Science Workshop at Carnegie Mellon University, Pittsburgh, PA.
23. **Sun, J.**, Anderson, R. C., Perry, M., & Lin, T.-J. (2012, April). *Transfer of children's emergent leadership from collaborative reasoning discussions to a cooperative problem-solving activity*. Round table session presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
24. Anderson, R. C., **Sun, J.**, Lin, T.-J., Morris, J. A., & Ma, S. (2011, September). *Extended participation in Collaborative Reasoning discussions in elementary school produces changes in several dimensions of social and cognitive competence*. Paper presented at the Invitational Research Conference of the American Education Research Association, Pittsburgh, PA.
25. **Sun, J.**, Anderson, R. C., Perry, M., & Lin, T.-J. (2011, August). *Transfer of children's emergent leadership*. Poster session presented at the Annual Convention of the American Psychological Association, Washington, DC.
26. Lin, T.-J., Ma, S., Zhang, J., Nguyen-Jahiel, K., Anderson, R. C., Morris, J. A., Miller, B., **Sun, J.**, Wu, X., Ma'rof, A. M., & Jadallah, M. (2011, April). Nurturing conceptual understanding and systems thinking. In R. C. Anderson (Chair), *Promoting conceptual*

*understanding and thinking skills of underserved children.* Symposium conducted at the annual meeting of the American Educational Research Association, New Orleans, LA.

## TEACHING

### **EDU 626 Mixed Methods Research Design, University of Montana** (Spring, 2018)

Designed and taught the completely new interdisciplinary doctoral research methods course, with a focus on designing rigorous mixed-methods studies and writing a compelling research proposal.

### **EDEC 540 Neuroscience and Its Impact on Child Development, University of Montana** (Online, Fall, 2017-2018)

Designed and taught the core course of the master's program in Early Childhood Program, with a focus on interpreting research evidence and understanding methods employed in developmental cognitive neuroscience.

### **C&I 510 Developmental and Learning Sciences, University of Montana** (Face-to-face: Spring, 2017-2018; Online: Fall, 2015-2018)

Designed and taught the core course of the Master's Program in Education, with a focus on child development and learning sciences.

### **EDU 221 Educational Psychology and Measurement, University of Montana** (Blended with online and face-to-face formats: Spring, 2016-2018; Fall, 2017)

Designed and taught the core course for the Secondary Education Program, with a focus on adolescent development, psychology of learning, and assessment in the classroom.

### **EDU 222 Educational Psychology and Child Development, University of Montana** (Fall, 2015; Spring & Fall, 2016)

Designed and taught the core course for the Elementary Education Program, supervised students' clinical experience in elementary schools.

### **EPSY430 Early Adolescent Development, University of Illinois** (Teaching Assistant, 2014)

Designed lesson plans about developmental issues during early adolescence, led weekly discussion sessions and graded action research papers.

## HONORS AND AWARDS

- 2017     **Merit Award for Outstanding Performance in Research**, University of Montana
- 2016     **Yamaguchi Opportunity Fund Award**, The Maureen and Mike Mansfield Center, University of Montana
- 2015     **Graduate Travel Scholarship**, College of Education, University of Illinois
- 2014-15 **Hardie Dissertation Grant**, College of Education, University of Illinois
- 2014     **Graduate Fellowship**, Award for Excellence in Research, Department of Educational Psychology, College of Education, University of Illinois,
- 2014     **Incomplete List of Teachers Ranked as Excellent by Their Students**, University of Illinois

- 2013 **Bagley Doctoral Scholarship**, Award for Academic Merit and Professional Experience, College of Education, University of Illinois
- 2011-14 **Hardie Conference Travel Award**, College of Education, University of Illinois
- 2011 **Maria Somma Scholarship**, University of Illinois
- 2009 **Distinguished Undergraduate Thesis**, Anhui University

## PROFESSIONAL DEVELOPMENT

- 2018 **Invited Participant in Division K Early Faculty Scholar Seminar**, AERA Annual Convention
- 2018 **Institute of Education Sciences Grant Writing Workshop**, Annual Convention of American Educational Research Association
- 2017 **A Journal Writer's Workshop: Publishing in the Learning Sciences**, International Conference of Computer Supported Collaborative Learning
- 2016 **Invited Participant in Early Career Mentoring Program**, the 13th International Conference of Learning Sciences
- 2016 **Invited Participant in Division C Early Faculty Mentoring Program**, AERA Annual Convention
- 2016 **National Science Foundation Grant Conference**, Carnegie Mellon University
- 2016 **International Baccalaureate Workshop**, University of Montana
- 2014 **Invited Participant in Division 15 Doctoral Student Seminar**, APA Annual Convention
- 2014 **Graduate Teacher Certificate**, Center for Innovation in Teaching and Learning, University of Illinois
- 2014 **Invited Participant in Division C Graduate Student Seminar**, AERA Annual Convention
- 2014 **National Science Foundation Grant Writing Workshop**, International Conference of Learning Sciences
- 2013 **Invited Participant in 2nd Annual Learning Science Workshop**, Carnegie Mellon University

## SERVICE

### Reviewer for Journals or Professional Organizations (number of reviews)

#### *External Grant Reviewer*

- 2018 Research Grants Council (RGC) of Hong Kong (1)

#### *Ad Hoc Reviewer for Journals*

- 2017-18 *New Directions for Child & Adolescent Development* (2)
- 2017 *Contemporary Educational Psychology* (1)
- 2015 *Cognition & Instruction* (1)

***Ad Hoc Reviewer for Books***

2018 *Mixed Methods Research Series*, Sage Publications (1)

2017 *Educational Psychology Insights Series*, Routledge (1)

***Conference Reviewer***

2018 Biennial International Conference of Learning Sciences (4)

2017 Annual American Educational Research Association Convention, Division C (10)

2017 Biennial Conference of the European Association for Research on Learning & Instruction (12)

2016 Annual American Psychological Association Convention, Division 15 (10)

2016 Biennial International Conference of Learning Sciences (2)

2014 Annual American Psychological Association Convention, Division 15 (10)

2014 12<sup>th</sup> International Conferences on Intelligent Tutoring Systems (1)

**Service to University, College, or Department**

2018-19 *Member*, Secondary Admission Committee, University of Montana

2018 *Member*, Unit Standards Revision Committee, University of Montana

2018 *Member*, Research Council, University of Montana

2018 *Search Committee Member*, Mary Francis Shreeve Endowed Chair in Early Childhood Education, University of Montana

2016-18 *Chair*, Elementary Admission Committee, University of Montana

2016 *Member*, Initiative of Brain Certificate in Education, University of Montana

2015 *Member*, Elementary Admission Committee, University of Montana

2013-14 *Chair of Reviewers*, College of Education Graduate Student Conference, University of Illinois at Urbana-Champaign

2013-14 *Student Representative*, Department of Educational Psychology Executive Committee, University of Illinois at Urbana-Champaign

**Service to Student Affairs**

2016-18 *Mentor*, Undergraduate Research Conference, University of Montana

**Service to Community**

2009-11 *Book Mentor*, Book Mentor Program of Champaign, IL

**ADVISING****Doctoral Advising**

2018 Emma Datu, Doctoral Candidacy Exam and Dissertation, Teaching & Learning

2018 Anya McCarthy, Doctoral Candidacy Exam, Teaching & Learning

2017 Kory Johnson, Doctoral Dissertation, Teaching & Learning

2017 Anne Graham, Doctoral Candidacy Exam, Teaching & Learning

2017 Marlene Zentz, Doctoral Candidacy Exam, Teaching & Learning

**Master's Advising**

- 2018 Jamesmichael Brennan, Master's Thesis, Psychology
- 2018 Morgan Williams, Master's Thesis, Communicative Sciences & Disorders
- 2018 Mariah Purcell, Research Advisor and Master Comprehensive Exam, Teaching & Learning
- 2017 Amy Logan, Masters of Music Exit Interview, Music
- 2016 Kristy Merdinger, Masters Comprehensive Exam, Teaching & Learning
- 2015-17 Julia Jackson, Masters of Education Graduate Assistant Advisor, Teaching & Learning
- 2015-18 Gary Warchola, Masters of Education Graduate Assistant Advisor, Teaching & Learning

**Undergraduate Research Advising**

(\* = Student Recipient of the Undergrad Research Award from Davidson Honors College)

- 2018 Margaret Finlay, Secondary Teacher Candidate Research Mentor
- 2018 Ciera Finberg, Secondary Teacher Candidate Research Mentor
- 2018 Reagan Mecham, Secondary Teacher Candidate Research Mentor
- 2017-18 \*Kari Hinkle, Secondary Teacher Candidate Research Mentor
- 2017-18 \*Abigail Jones, Secondary Teacher Candidate Research Mentor
- 2016-17 \*Mary Burns, Elementary Teacher Candidate Research Mentor

**PROFESSIONAL MEMBERSHIPS**

- American Educational Research Association, Division C (Learning & Instruction), 2009 –present
- American Psychological Association, Division 15 (Educational Psychology), 2013 – present
- European Association of Research in Learning and Instruction, 2016 – present
- International Society of the Learning Sciences, 2014 – present
- National Consortium for Instruction and Cognition, 2009 – present