



Xiaojie Niu (牛晓杰)

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Education Background

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| Ph.D. Student in Distance Education, FOE, BNU, China | 2022.09 - |
| Visiting Ph.D. Student in The Centre for Change and Complexity in Learning (C3L), UniSA | 2023.09 - |
| Master of Education in Distance Education, FOE, BNU, China | 2019.09 - 2022.06 |
| <ul style="list-style-type: none">• Thesis: <i>Examining Knowledge Convergence in Large-scale Open Learning Environments</i>• GPA: 3.7/4.0 | |
| Bachelor of Science in Educational Technology, FOE, BNU, China | 2015.09 - 2019.06 |
| <ul style="list-style-type: none">• Thesis: <i>Research on Interaction between Teachers and Students in Class Teaching Integrated with Augmented Reality based on iFIAS and LSA</i>• GPA: 3.8/4.0 | |

Honor & Scholarship *(Selected)*

- PhD Academic Scholarship - First Class, Beijing Normal University (BNU) *(Top 15%)* 2023.12
- National Visiting Scholarship Fund by China Scholarship Council 2023.09
- Academic Scholarship - First Class, Beijing Normal University (BNU), for two consecutive years *(Top 7%)* 2020.12, 2021.12
- Academic Innovation Award, BNU 2021.12
- Student Travel Award, The IEEE Technical Community on Learning Technology (TCLT), for attending ICALT 2021 2021.05

- Outstanding Graduates of BNU (*Top 8%*) 2019.06
- National Scholarship, Ministry of Education, China (*Top 2%*) 2018.12
- Silver Award Winner, Education Expo Innovation and Entrepreneurship Competition, Zhuhai, China 2018.11
- Honorable Mention, Mathematical Contest In Modeling (MCM), the Consortium for Mathematics and Its Applications, USA 2018.04

Academic Project

- Research on Course Complexity in large-scale Open Learning 2022.11 – 2023.11
Project Holder
PhD Student Project, Funded by Beijing Normal University, China
- Design and Research: Hypervideo Online Learning Platform 2019.09 – 2021.06
Project Holder
Student Project, Funded by Beijing Normal University, China
- Influence of interactive application based on Augmented Reality on students' inquiry ability 2017.09 - 2018.09
Project Holder
Student Project, Funded by Ministry of Education, China

Publication (*Selected, * corresponding author*)

AR + Education

- [1] Su Cai, **Xiaojie Niu***, Yuxi Wen & Jiangxu Li (2021). *Interaction analysis of teachers and students in inquiry class learning based on augmented reality by iFIAS and LSA*, Interactive Learning Environments, DOI: 10.1080/10494820.2021.2012808. (*SSCI Q1, IF =4.965*)
- [2] **Niu, X.J.***, Xu, X.Y., Cheng, L. & Cai, S. (2018). *A Comparative Study on Achievement Degree of Teaching Objectives based on an Interactive AR Physical-Simulation Experimental Procedure*. Proceedings of the 26th International Conference on Computers in Education (ICCE). Philippines: Asia-Pacific Society for Computers in Education, 434-439.

Online Learning Analytics (** CSSCI: Chinese Social Sciences Citation Index*)

- [3] **X. Niu***, J. Zhang, K. M. Xu and X. Wang (2021). *The Impact of Productive Failure on Learning Performance and Cognitive Load: Using Hypervideo to Facilitate Online Interactions*, 2021 International Conference on Advanced Learning Technologies (ICALT), 30-32.

- [4] Zhang J, **Niu X**, Liu Y, Wang C (2021). *The Connotation and Application of “4ES” Cognition in Learning Science*. Modern Educational Technology, 31(08): 23-31. (CSSCI, in Chinese, with English abstract)
- [5] **Niu X***, Zheng Q (2021). *Review of the research on learning environment in distance education in the past 20 years at home and abroad: A dynamic analysis based on LDA and DTM*, Distance Education in China, (07): 25-35+44. (CSSCI, in Chinese, with English abstract)
- [6] Zhang J, **Niu X**, Yao Z, Zheng Q (2021). *Reconstruct Asynchronized Online Learning into “Quasi” Synchronized Video Learning*, Journal of Distance Education, 39(03):52-64. (CSSCI, in Chinese, with English abstract)
- [7] **Niu, X***. (2023). *Examine the Complexity of Online Learning Interactions using Ladderpath*. Proceedings of 2023 Asian Student Seminar Round Table (ASSERT), 245-263.
- [8] **Niu, X***. (2023). *The tower of teaching-learning interactions in online live classes: Considering the impact of class size*. Advances in Educational Research and Evaluation, 4(1), 218-229. <https://doi.org/10.25082/AERE.2023.01.001>.

Academic / Leadership Activities (Selected)

- Academic Presentation, “*Knowledge Diffusion and Convergence in open learning Environments as a Social Contagion*”, 2023 Education Futures Higher Degree by Research Forum, Australia 2023.11
- Behave Summer School 2023, University of Brescia, Italy (Selected) 2023.09
- Young Scholars' Salon on “*Interaction Patterns That Keep Getting Replicated*”, Beijing Normal University, China 2023.09
- Outstanding Youth Training Camp (*The First Session*), Learning Science Research Division, Chinese Society of Education, Peking University, China 2023.08
- Academic Summer Program “*Frontiers in Educational Technology*”, Peking University, China, Outstanding Students. 2021.07
- Academic Presentation about Hypervideo Research in *International Conference on Advanced Learning Technologies*, Online 2021.07
- Academic Presentation about “*Classes Suspended but Learning Continues*” of China during COVID-19 in *Asian Students' Seminar and Round Table*, Online 2021.05
- Academic Presentation about AR Education Research in *26th International Conference on Computers in Education*, Manila, Philippines 2018.12
- Summer School on Campus Asia-Pacific Program: Olympism, Diversity and Innovation, Hokkaido University, Japan, Online (*Leadership Program*) 2021.08

- Summer School on Western Culture and Civilization, University of Macerata, Italy (*Leadership Program*) 2018.08
- Summer Program on “Belt and Road Initiative”, Vietnam National University, Hanoi, Vietnam (*Leadership Program*) 2017.08

Teaching Assistants & Volunteers

- Teaching Assistants (TA), “Educational Measurement & Evaluation” (50 Students), Beijing Normal University (BNU) 2021.09 - 2022.01
- TA, “Introduction to Learning Science”(35 Students), BNU 2020.09 - 2021.01
- TA, “E-STEM Education”(Online, Public, 300+ Students), Cornell University 2020.09 - 2020.11
- Volunteer, 4th International STEM in Education Conference, China 2016.10
- Volunteer, 21st IEEE International Conference on Advanced Learning Technologies (ICALT 2021), Online 2021.07