

CURRICULUM VITAE

University of Idaho

NAME: Yin Hong Cheah

DATE: December 22, 2023

RANK OR TITLE: Assistant Professor, Instructional Technology

DEPARTMENT: Curriculum and Instruction

OFFICE LOCATION AND CAMPUS ZIP:

College of Education Building, Room 402

University of Idaho

Moscow, ID 83844-3082

OFFICE PHONE: -

FAX: -

EMAIL: yhcheah@uidaho.edu

WEB: [Faculty Profile](#), [Google Scholar](#)

DATE OF FIRST EMPLOYMENT AT UI: August 2023

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: August 2023

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., University of Texas at Austin, TX, Curriculum and Instruction – Learning Technologies, 2023

Dissertation Topic: Investigating K-12 Teachers' Instructional Technology Use to Promote Equitable Learning: A Mixed-Methods Approach

M.Ed., University Technology Malaysia, Malaysia, Educational Psychology, 2007

B.Eng, University Technology Malaysia, Malaysia, Chemical Engineering, 2001

Certificates and Licenses: -

EXPERIENCE:

Teaching, Extension and Research Appointments:

- Assistant Professor of Instructional Technology, Department of Curriculum and Instruction, College of Education, Health and Human Sciences, University of Idaho, Moscow, ID, August 2023 – present
- Assistant Instructor (EDC 390T: Issues and Strategies for Instructional Technology Leaders), Department of Curriculum and Instruction, College of Education, The University of Texas at Austin, Spring 2023
- Graduate Research Assistant, Department of Special Education, College of Education, The University of Texas at Austin, Austin, TX, September 2022 – May 2023
- Assistant Instructor (EDC 386R: Introduction to Qualitative Research), Department of Curriculum and Instruction, College of Education, The University of Texas at Austin, Fall 2019
- Graduate Assistant & Curriculum Developer, Office of Instructional Innovation, College of Education, The University of Texas at Austin, September 2018 – August 2021
- Research Associate, National Institute of Education, Nanyang Technological University, Singapore, 2013 – 2017
- Mathematics Teacher, Confucian Private Secondary School, Malaysia, 2007 – 2012
- Mathematics and Science Teacher, Foon Yew High School, Malaysia, 2001 – 2003
- Teaching Assistant, College of Education, University Technology Malaysia, Spring 2007

Academic Administrative Appointments:

- Head of Educational Research and Teacher Development Department, Confucian Private Secondary School, Malaysia, 2009 - 2012

Non-Academic Employment including Armed Forces:

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Consulting:

- Teacher Education Forum Planning Committee, College of Education, The University of Texas at Austin, 2020
- Teacher Education Graduate Student Advisory Group, College of Education, The University of Texas at Austin, 2019 – 2020

TEACHING ACCOMPLISHMENTS: (Academic and Extension teaching)

Areas of Specialization:

Instructional Technology, Research Methods in Education, Middle School Math and Science

Courses Taught:

University of Idaho

EDCI 410 Technology, Teaching and Learning (Undergraduate, face-to-face, 2023)

University of Texas at Austin

EDC 390T Issues and Strategies for Instructional Technology Leaders (Graduate, synchronous and asynchronous online, 2023)

EDC 386R Introduction to Qualitative Research (Graduate, face-to-face, 2019)

Students Advised:

University of Idaho

Undergraduate Students: 0

Graduate Students: 1

Served on graduate committee (Jeff Simons, Ph.D. candidate in Educational Leadership program, 2023)

Materials Developed: (non-scholarship activity)

Courses Developed:

University of Idaho

EDCI 504 Instructional Systems Design

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Invited Lectures

ED PS 7440 Learning Sciences Seminar (University of Utah, October 2023)

EDC 396 Doctoral Seminar for Learning Technologies (University of Texas at Austin, February 2022)

EDC 386R Introduction to Qualitative Research (University of Texas at Austin, November 2019)

Panel

Ph.D. Panel for Campus Visit Day (University of Texas at Austin, March 2021)

Workshops

- *Digital Literacy Workshop*. Co-conducted for preservice teacher cohort training. Office of Instructional Innovation, University of Texas at Austin (February 2020 and 2021)
- *Data Analysis and Regression Modelling Workshop*. Co-conducted as the preconference professional development session of the Chinese Education Conference, Malaysia. (September 2014)

Invited Talks

- *Issues and challenges faced by the Malaysian independent schools in educating underperforming students*. Presented at the Chinese Education Conference, Malaysia (September 2014)
- *The development of a special guidance education sub-system for underperforming students in Confucian Private Secondary School*. Presented at the National Education Conference for Underperforming Students, Malaysia (September 2010)

Honors and Awards (Teaching):

- Teaching Assistant Scheme Award (\approx USD 350), College of Education, University Technology Malaysia. (2007)

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

Refereed/Adjudicated (Blind-Peer Reviewed): (i.e. books, book chaps., journals, proc., abstr., etc.; provide citations-author, date, title, publisher)

1. **Cheah, Y. H.**, Oliveri, A. R., & Hughes, J. E. (2023). Unpacking K-12 teachers' technology-supported, equitable practices: A mixed-methods systematic review. *Teaching and Teacher Education*, 125, 103984. [Journal Citation Indicator Rank – Q1 (49/759); 2022 Impact Factor 3.9; 2022 Five-Year Impact Factor 4.8; Article Citations 3]
2. Hsu, H.-P., **Cheah, Y. H.**, Hughes, J. E. (2023). A case study of a secondary Biology teacher's pedagogical reasoning and action with augmented reality technology. *Education Sciences*, 13(11), 1080. [Journal Citation Indicator Rank – Q1 (114/759); 2022 Impact Factor 3.0; 2022 Five-Year Impact Factor 2.8; Article Citations 1]
3. Hughes, J. E., **Cheah, Y. H.**, Shi, Y., & Hsiao, K.-H. (2020). Pre-service and in-service teachers' pedagogical reasoning underlying their most-valued technology-supported instructional activities. *Journal of Computer Assisted Learning*, 26(4), 549-568. [Journal Citation Indicator Rank – Q1 (31/759); 2022 Impact Factor 5.0; 2022 Five-Year Impact Factor 5.3; Article Citations 33]
4. **Cheah, Y. H.**, Chai, C. S., & Toh, Y. (2019). Traversing the context of professional learning communities: Development and implementation of technological pedagogical content knowledge (TPACK) of a primary science teacher. *Research in Science and Technological Education*, 37(2), 147-167. [Journal Citation Indicator Rank – Q2 (277/759); 2022 Impact Factor 1.6; 2022 Five-Year Impact Factor 1.8; Article Citations 40]
5. Tan, A.-L., Lee, P. P. F., & **Cheah, Y. H.** (2017). Educating science teachers in the 21st century: Implications for pre-service teacher education. *Asia Pacific Journal of Education*, 37(4), 453-471. [Journal Citation Indicator Rank – Q2 (321/759); 2022 Impact Factor 1.7; 2022 Five-Year Impact Factor 1.9; Article Citations 13]

Peer Reviewed/Evaluated: (i.e. journals, articles, proceedings, abstracts, etc.) -

1. Cai, Y., **Cheah, Y. H.**, Meng, C., Rosenblum, J. A., & Shi, Y. (2021). Graduate instructors' technostress of engaging in emergency online teaching during the COVID-19 pandemic. In Simonson, M. R., & Seepersaud, D. J. (Eds.), *Proceedings of the Association for Educational Communications & Technology (AECT) Conference*, Volume 1, 29-41.
2. **Cheah, Y. H.**, Chai, C. S., Toh, Y. (2019). Teachers' TPACK evolvement in a technology-mediated elementary science innovation: A translation perspective. In Graziano, K. (Ed.), *Proceedings of Society for Information Technology and Teacher Education Conference*, 2417-2422.
3. Hughes, J. E., **Cheah, Y. H.**, Shi, Y., & Hsiao, K.-H. (2019). A comparison of pre-service and in-service teachers' most valued technology-supported activities for teaching and learning. In Simonson, M. R., & Seepersaud, D. J. (Eds.), *Proceedings of the Association for Educational Communications & Technology (AECT) Conference*, Volume 1, 129-138.
4. **Cheah, Y. H.**, Muhammad, F. H., Chai, C. S., & Toh, Y. (2016). The impact of a professional learning community on teacher learning and practice. In Song, Y., Wu, Y.-T., Chan, T.-W., Kong, S. C., Ma, H. H., Lai, A.-F., Chai, C. S., Wang, L., & Yu, H. (Eds.), *Teacher Forum Proceedings of the 20th Global Chinese Conference on Computers in Education 2016*, 00, 221-228.
5. Chai, C. S., Low, J., **Cheah, Y. H.**, Toh, Y., & Lee, J. (2016). Exploring Singapore primary three students' perception of science learning supported by mobile computing devices. In Song, Y., Wu, Y.-T., Chan, T.-W., Kong, S. C., Ma, H. H., Lai, A.-F., Chai, C. S., Wang, L., & Yu, H.

(Eds.), *Teacher Forum Proceedings of the 20th Global Chinese Conference on Computers in Education 2016*, 00, 213-220.

Other: (reports, proceedings, papers, citations and references, performances)

Chavez, J. (2019). Virtual reality: The latest frontier in classroom technology. *ATPE News Magazine*, 40(1). Available: <https://www.atpe.org/en/News/ATPE-News-Archives/ATPE-News-Fall-2019/Virtual-Reality-The-Latest-Frontier-in-Classroom>

Refereed/Adjudicated (currently scheduled): (provide citations)

Peer Reviewed/Evaluated (currently scheduled):

Presentations and Other Creative Activities: (i.e. slide sets, web pages, video productions, etc., provide date and location) -

Professional Meeting Papers, Workshops, Showings, Recitals: (provide date and location)

1. **Cheah, Y. H.** (Accepted). *Exploring K-12 teachers' instructional technology roles in teaching underserved students*. 2024 AERA Annual Meeting, Philadelphia, PA.
2. **Cheah, Y. H.** & Hughes, J. E. (2023, April). *Teaching underserved students with technology: Unpacking K-12 teachers' perceptions and practices*. 2023 AERA Annual Meeting, Chicago, IL.
3. **Cheah, Y. H.** & Hughes, J. E. (2022, October). *Factors that influence K-12 teachers' technology use to promote equitable learning*. Association for Educational Communications & Technology (AECT) Conference, Las Vegas, NV.
4. **Cheah, Y. H.** & Hughes, J. E. (2022, April). *Exploring K-12 teachers' technology use for equitable learning: A multiple regression approach*. 2022 AERA Annual Meeting, San Diego, CA.
5. **Cheah, Y. H.**, Shi, Y., & Rosenblum, J. A. (2022, April). *Understanding university instructors' technostress for online teaching*. 2022 AERA Annual Meeting, San Diego, CA.
6. Cai, Y., **Cheah, Y. H.**, Shi, Y., & Rosenblum, J. A. (2021, November). *Graduate instructors' technostress of engaging in emergency online teaching during COVID-19 pandemic*. Association for Educational Communications & Technology (AECT) Conference, Chicago, IL.
7. Shi, Y., **Cheah, Y. H.**, & Hughes, J. E. (2021, April). *Examining educational technology courses: Is online and blended learning the way forward?* AERA Annual Meeting (Virtual Conference).
8. **Cheah, Y. H.**, Oliveri, A. R., & Hughes, J. E. (2020, November). *A look inside the classroom: How do K-12 teachers use technology to promote equitable learning?* Association for Educational Communications & Technology (AECT) Conference (Virtual Convention).
9. **Cheah, Y. H.** & Hughes, J. E. (2020, April). *K-12 teachers' technology adoption to promote equitable learning: A literature review*. AERA Annual Meeting, San Francisco, CA <http://tinyurl.com/rdxh4gy> (Conference Cancelled).
10. **Cheah, Y. H.**, Li, C. L., & Hughes, J. E. (2020, April). *The relationship between U.S. students' technology access and use and their science achievement*. AERA Annual Meeting, San Francisco, CA <http://tinyurl.com/rgtxjah> (Conference Cancelled).
11. Hughes, J. E., **Cheah, Y. H.**, Shi, Y., & Hsiao, K.-H. (2019, October). *A comparison of pre-service and in-service teachers' most valued technology-supported activities for teaching and learning*. Association for Educational Communications & Technology (AECT) Conference, Las Vegas, NV.
12. Hsu, H. P., **Cheah, Y. H.**, & Hughes, J. E. (2019, June). *From beginner to expert: A teacher's reflective practice of applying augmented reality*. Annual Meeting of International Society for Technology in Education (ISTE), Philadelphia, PA.
13. Hsu, H. P., **Cheah, Y. H.**, & Hughes, J. E. (2019, April). *A longitudinal and micro-level view of one teacher's technology integration practices: Augmented reality in science*. AERA Annual Meeting, Toronto, Canada.

14. **Cheah, Y. H.**, Chai, C. S., Toh, Y. (2019, March). *Teachers' TPACK evolution in a technology-mediated elementary science innovation: A translation perspective*. Society for Information Technology and Teacher Education (SITE) Conference, Las Vegas, NV.
15. Papendieck, A., **Cheah, Y. H.**, Eliason, C., & Clarke, J. (2018, June). *Mapping research and writing mentorship assemblages in a mixed cohort course-based research experience*. 13th International Conference of the Learning Sciences (ICLS), London, U.K.
16. Huang, J. S., & **Cheah, Y. H.** (2018, January). *Growing teacher laterality for teacher agentic learning*. International Congress and School Effectiveness and Improvement (ICSEI) Conference 2018, Singapore.
17. Toh, Y., & **Cheah, Y. H.** (2017, June). *Enabling an innovation ecosystem: A school's journey of navigating multifarious challenges of technology-mediated change process*. Redesigning Pedagogy International Conference 2017, Singapore.
18. **Cheah, Y. H.**, Muhammad, F. H., Chai, C. S., & Toh, Y. (2016, May). *The impact of a professional learning community on teacher learning and practice*. 20th Global Chinese Conference on Computers in Education, Hong Kong.
19. Chai, C. S., Low, J., **Cheah, Y. H.**, Toh, Y., & Lee, J. (2016, May). *Exploring Singapore primary three students' perception of science learning supported by mobile computing devices*. 20th Global Chinese Conference on Computers in Education, Hong Kong.
20. Lee, P. P. F., Tan, A.-L., & **Cheah, Y. H.** (2015, January). *Forms of interaction and their impact on in-service teachers' argumentative discourse*. Teaching and Learning Forum, Perth, Australia.
21. Tan, A.-L., Lee, P. P. F., & **Cheah, Y. H.** (2014, December). *Arguing to learn content and arguing to apply content: Forms of interaction*. Second International History, Philosophy and Science Teaching (IHPST) Asian Regional Conference, Taipei, Taiwan.
22. Lee, P. P. F., **Cheah, Y. H.**, & Tan, A.-L. (2014, November). *Forms of interaction in pre-service science teachers' argumentative discourse: A case study*. International Science Education Conference (ISEC), Singapore.
23. **Cheah, Y. H.**, Tan, A.-L., & Lee, P. P. F. (2014, July). *Supporting scientific argumentation in pre-service teachers: A case study*. International Conference of Science Educators and Teachers (ISET), Phuket, Thailand.
24. Lee, P. P. F., Tan, A.-L., & **Cheah, Y. H.** (2014, July). *Forms of interaction and their impact on pre-service science teachers' argumentative discourse*. Australasian Science Education Research Association (ASERA) Conference, Melbourne, Australia.
25. **Cheah, Y. H.** (2010, September). *Have fun learning decimals!* National Education Conference for Underperforming Students 2010, Kuala Lumpur, Malaysia.

Patents: (provide title/description, patent number and date) -

Grants and Contracts Awarded: (provide principal and co investigators, title, sponsor, funding dates, amount)

Completed:

Cheah, Y. H. (January 2022). Graduate Student Research Award (Awarded \$2,000): *K-12 Teachers' Instructional Technology Use to Promote Equitable Learning: A Mixed-Methods Approach*. College of Education, University of Texas at Austin.

Honors and Awards (Scholarship):

Research Fellowships

2022 *The Cora Merriman Martin Scholarship*. College of Education, The University of Texas at Austin. (\$ 4,000)

The Janey and Melvin Lack Endowed Graduate Fellowship in Education. College of Education, The University of Texas at Austin. (\$ 900)

2021-22 *University Graduate Continuing Fellowship*. Graduate School, The University of Texas at Austin.

- (\\$ 32,000)
- 2021 *Richard A. "Porky" Haberman Endowed Graduate Fellowship in Teacher Education*. College of Education, The University of Texas at Austin. (\\$ 3,500)
- 2020 *The Janey and Melvin Lack Endowed Graduate Fellowship in Education*. College of Education, The University of Texas at Austin. (\\$ 1,350)
- 2019 *The Cora Merriman Martin Scholarship*. College of Education, The University of Texas at Austin. (\\$ 3,800)
- 2017-19 *Recruitment Fellowship*. Graduate School, The University of Texas at Austin. (\\$ 32,000)

Research Awards

- 2023 *Technology as an Agent of Change in Teaching and Learning SIG: Graduate Travel Award*. 2023 AERA Annual Meeting. (\\$ 500)
- 2022 *Division D Graduate Student In-Progress Research Gala: Top-10 Papers*. 2022 AERA Annual Meeting. For: Cheah, Y. H. *K-12 Teachers' instructional technology use to promote equitable learning: A mixed-methods approach*.
- 2020 *Technology as an Agent of Change in Teaching and Learning SIG: Best Paper Award*. 2020 AERA Annual Meeting. For: Cheah, Y. H., & Hughes, J. E. *K-12 teachers' technology adoption to promote equitable learning: A literature review*.
Division D Graduate Student In-Progress Research Gala: Top-10 Papers. 2020 AERA Annual Meeting. For: Cheah, Y. H. *Conceptualizations, approaches and environmental supports that frame K-12 teachers' equitable practices with technology*.
- 2019-23 *Faculty/Student Collaboration Award*. College of Education, The University of Texas at Austin.
- 2019 *Professional Development Award*. Graduate School, The University of Texas at Austin.

SERVICE:

Major Committee Assignments: (National, State, District, County, University, College, Departmental and dates)

- *Doceo Center Bi-Weekly Meeting*. College of Education, Health and Human Sciences, University of Idaho (Fall 2023).
- Teacher Education Forum Planning Committee, College of Education, The University of Texas at Austin (2020)

Professional and Scholarly Organizations (including memberships, committee assignments, editorial services, offices held and dates)

Professional Affiliations

- Member, American Educational Research Association (2019 – present)
- Member, Association for Educational Communications and Technology (2019 – present)
- Member, Society for Information Technology and Teacher Education (2019 – present)
- Member, Texas Computer Education Association (2022 – present)
- Member, Idaho Education Technology Association (2023 – present)

Journal Guest Reviewer

- 2022 *Research in Science and Technological Education* [2022 Impact Factor 1.6; 2022 Five-Year Impact Factor 1.8]
- 2021 *Journal of Educational Computing Research* [2022 Impact Factor 4.8; 2022 Five-Year Impact Factor 4.7]
AERA Open [2022 Impact Factor 2.8; 2022 Five-Year Impact Factor 3.4]

Conference Reviewer

- 2020-22 *American Educational Research Association (AERA) Annual Meeting*
Association for Educational Communications & Technology (AECT) Conference
- 2019-20 *International Society for Technology in Education (ISTE) Annual Meeting*
- 2019&22 *Capital of Texas Undergraduate Research Conference, The University of Texas at Austin*

Outreach Service: (Including popular press, interview articles, newspaper articles, workshops-seminars-tours organized, Extension impact statements)

- Fall 2023 - CIDDL Tech Alliance – to support the improvement of technology integration and faculty skills in EHHS Special Education program
- Latah County Fair (September 16)
 - Envision (October 6)
 - Lapwai High School Visit (December 14)

Community Service: (non-academic unrelated to employment)

- Spring 2022 *Mentor for Austin Independent School District Refugee Students.* College of Liberal Arts: Refugee Student Mentor Program, University of Texas at Austin.
- Spring 2021 *Facilitator of UT Daring Dialogue: Teacher Preparation Series about Educational Inequity.* College of Education, University of Texas at Austin.

Honors and Awards: -

PROFESSIONAL DEVELOPMENT: (workshops and seminars attended)

Teaching:

- AI at the UI Faculty Meeting (September 20, 2023)

Scholarship:

- Online Conference: Towards an Effective and Equitable Digital Education Ecosystem (December 13-14, 2023)
- Seven Principles for Setting AI Policies. Organized by Khan Academy (December 4, 2023)
- NSF CAREER Introduction: Faculty Success Seminar (November 29, 2023)
- EHHS Intramural Seminar (October 19, 2023)

Outreach:

- Doceo Center Technology Training (Every alternate Wednesday, Fall 2023)
- CIDDL Tech Alliance Webinar 1 – Unlocking Potential: A Collaborative Roadmap to Technology Integration in Special Education (December 7, 2023)

Administration/Management:

- EHHS Book Club (Fall 2023, 3 meetings)
- UI New Faculty Orientation (August 14-16, 2023)