Farzaneh Saadati

| CONTACT INFORMATION | CIAE - Centro de Investigación Avanzada en Educación Universidad de Chile | Mail: Periodista José Carrasco Tapia Nº 75, Santiago Centro, Chile farzaneh.saadati@gmail.com farzaneh.saadati@ciae.uchile.cl | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--|
| Appointment | • Researcher, Center for advanced education (CIAE), University of Chile, Since September 2016. | | |
| Research | • Incorporating in Teachers Professional Development | | |
| Background | Teachers beliefs and practices, Mathematics problem solving | | |
| | • Students' Mathematical Learning and Problem Solving | | |
| | Students' mathematical thinking, problem solving strategies, and attitude toward problem solving | | |
| | Instructional Design and Technology | | |
| | Instructional system design, ADDIE model, Blended Learning, Program evaluation | | |
| | • Research Design | | |
| | Quantitative research design, true and quasi experimental design; | | |
| | Qualitative research design, Case study | | |
| | • Data Analysis | | |
| | Quantitative data analysis, inferent | ial statistics, structural equation modeling. | |
| Education | • Ph.D., Instructional Design and Technology in Mathematics, Universiti Putra Malaysia (UPM), 2014 | | |
| | Thesis: "Development and Evaluation of Effects of Internet-Based Tutorial Module Framed by Cognitive Apprenticeship Model for Statistics Learning Among Malaysian Postgraduate Students" | | |
| | • M.Sc., Topology and Algebra, Shahid Chamran University, Ahvaz, Iran, 2003 | | |
| | • B.Sc. , Mathematics, Amirkabir University of Technology (Poly Technique of Tehran), Tehran, Iran, 2000 | | |

| HIGHLIGHTS | • Full Scholarship of Ministry of Higher Education (Iran) in Bachelor and Master degrees | | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| | Ranked Third among Bachelor Student in Faculty of Mathematics. Amirkabir University of Technology, Sep 2000 Ranked First among Master Students in Faculty of Mathematics and Computer Science, Shahid Chamran University of Ahvaz, Feb 2003 | | |
| | | | |
| | • Head of Department, Mathematics Department, Azad University, Dezful (2008-2009) | | |
| | • Excellence in Scholarly Publication 2012, INSPEM, University Putra Malaysia, April 2013 | | |
| | • Excellence in Scholarly Publication 2014, INSPEM, University Putra Malaysia, April 2015 | | |
| | • Designing and Administering the Learning Portal for Statistics Learning (www.problemsolving-moodle.com) | | |
| Research Grant | Principal Investigator; Research project "The Impact of "Activating problem-solving in the Classroom" (ARPA) program, on Students' Problem Solving Skills, Behavior, and Attitude toward Mathematics; An Exploratory Investigation in O'Higgins Region", Postdoctoral FONDECYT N° 3170673, National Fund for Scientific and Technological Development, Chile, March 2017. Investigator; Research Project "Professional development strategies: elementary schools teachers, teaching and mathematics skills" No ID14120338, National Fund for Scientific and Technological Development, Chile, 2018. | | |
| Journals | S1 Saadati, F., Chandia, E., Cerda, G.,Felmer, P. "Impact of a professional development program on mathematics teachers' self-efficacy and practices". Scandinavian Journal of Educational Research, Revista Latinoamericana de Investigación en Matemática Educativa – RELIME, (Under Review). | | |
| | S2 Cerda, G., Chandia, E., Saadati, F., Felmer, P. "The impact of a professional development workshop on teachers' self-reported teaching practices, self-efficacy and value regarding mathematical problem solving". Educational Studies in Mathematics, (Under Review). | | |
| | S3 Saadati, F., Martinez, M. V., Spinoza, C. G. "Primary Student attitude toward Mathematics Problem Solving". International Journal of Science and Mathematics Education, (Under Review). | | |
| | S4 Medina Jerez, W.; Tchoshanov M.; Lynch-Arroyo R.; Iturralde C.; Freire L.; Cruz Quinones M.; Giaconi V.; Saadati F.; Bertelle A.; Rocha A.; Stoessel A.; | | |

Molina Andrade A. "Mathematics and Science Teacher Educators' Professional Trajectories, Practices and Challenges: A Cross-National Comparison". International Journal of Science and Mathematics Education, (Under Review).

S5 Alvarado, C., Pino, N., Saadati, F. "ARPA Escritura: Una experiencia de desarrollo profesional docente". **Pensamiento Educativo Revista de Investigación Educacional Latinoamericana,** (Under Review).

- J1 Saadati F., Cerda G., Giaconi V., Reyes C., Felmer P. "Modeling Chilean mathematics teachers' instructional beliefs on problem solving practices; a SEM approach", International Journal of Science and Mathematics Education, 2018. https://doi.org/10.1007/s10763-018-9897-8
- J2 Giaconi V., Perdomo-Diaz J., Cerda G, Saadati F. "Autoeficacia, valoración y tipos de prácticas pedagógicas de los profesores en relación con la resolución de problemas en matemáticas: diseño y validación de un cuestionario", Revista Enseñanza de las Ciencias, 36(30), 2018, pp. 99-120.
- J3 Saadati F., Ahmad Tarmizi R., Mohd Ayub A.F., Abu Bakar K. "Effect of Internet-Based Cognitive Apprenticeship Model (i-CAM) on Statistics Learning among Postgraduate Students." PLOS ONE, 10(7), 2015, e0129938. doi:10.1371/journal.pone.0129938
- J4 Tarmizi M.A.A., Tarmizi R.A., Saadati F. "An examination of effects of online scaffolding on students' online behavior and reaction," 6th Conference on Information and Communication Systems (ICICS), Publisher IEEE, 2015, pp. 95-99.
- J5 Tarmizi R.A., Kargar M., Saadati F., "Correlates of Mathematics Attitude with Problem Solving Behavior among Iranian Year 10 Students", JPSMM (Jurnal Pendidikan Sains dan Matematik Malaysia), 5(1), 2015, pp. 18-34. http://jpsmm.upsi.edu.my/images/JPSMMVol12015/A2-Rohani.pdf
- J6 Saadati F., Tarmizi R.A., Mohd Ayub A.F., Kamariah A. B., "Managing Internet-Based Tutorial Module to Support Statistics Learning among Postgraduate Students: Learners' Needs Analysis", **JPSMM** (Jurnal Pendidikan Sains dan Matematik Malaysia), 5(1), 2015, pp. 1-17. http://jpsmm.upsi.edu.my/images/JPSMMVol12015/A1-Farzaneh.pdf
- J7 Saadati F., Tarmizi R.A., Mohd Ayub A.F., "Utilization of Technology in Mathematics Learning; Engineering Students' Perception Through Facebook Interaction", **IndoMS-JME**, July 2014.
- J8 Saadati F., Tarmizi R.A., "Understanding through Interactive Scaffolding in the Facebook community", Multimedia Computing and Systems (ICMCS), In IEEE Xplore Digital Library, 2012, pp 846 849.
- J9 Saadati F., Tarmizi R.A., Bayat S., "Assessing Critical Thinking of Postgraduate Students", Procedia-Social and Behavioral Sciences 8, Elsevier, 2010, pp 543– 548.

BOOK CHAPTERS B1 Saadati, F., Reyes, C. "Collaborative Learning to Improve Problem Solving Skills; A Relation Affecting Through Attitude Toward Mathematics", In Felmer, P., Koichu, B., Liljedah, P. (Eds) **Problem Solving in Mathematics Instruction and Teacher Professional Development,** 2019 (under press).

CONFERENCES C1 Feb. 2019, CERME 11, Representations in Mathematics Teaching and Learning, Utrecht, Netherland

- C2 Nov. 2018, PME Regional Conference South America 2018, Rancagua, Chile.
- C3 Nov. 2017, International Conference of Problem Solving in Patagonia, Punta Arenas, Chile.
- C4 Oct. 2017, II Congreso de Educación Matemática de América Central y de El Caribe (II CEMACYC), Cali, Colombia.
- C5 Aug. 2017, Congreso Interdisciplinario de Investigación en Educación (CIIE2017), Santiago, Chile.
- C6 April 2015, International of Information and Communication Systems (ICICS 2015), Amman, Jordan.
- C7 Nov. 2014, 7th International Conference of Education, Research and Innovation (ICERI2014), Seville, Spain.
- C8 May. 2012, Multimedia Computing and Systems (ICMCS 12), Tangiers, Morocco.
- C9 Jan. 2012, Seminar on Applications of Cutting-edge Statistical Methods in Research, UPM, Malaysia.
- C10 Nov. 2011, Conference on Academic Development in Higher Education, ADHE2011, UPM, Malaysia
- C11 Nov. 2011, Fourth International Conference on Science and Mathematics Education, CoSMEd, Penang, Malaysia.
- C12 Oct. 2011, The 5th International Conference on Research and Education in Mathematics (ICREM5), ITB, Bandung, Indonesia.
- C13 Dec. 2010, International Conference on Mathematics Education and Research (ICMER 2010), Melaka, Malaysia.

| Teaching Experience | • 2012-2013 Faculty of Education, Universiti Putra Malaysia, Malaysia | | | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | Teaching Assistant: Educational Statistics for Social Sciences (Inferential Statistics and Quantitative Analysis with SPSS) | | | |
| | •2008-2010 Basic Science Department, Faculty of Engineering, Jundi-Shapur University of Technology, Dezful, Iran | | | |
| | Full Time Instructor: Calculus, Advanced Calculus, Differential Equation | | | |
| | • 2003-2008 Engineering Department, Azad University, Dezful, Iran | | | |
| | Full Time Instructor: Calculus (I, II, III), Algebra (I, II), Basic Statistics, Basic Mathematics and Logics, Differential Equation, Mathematical Analysis (I, II) | | | |
| Skills | • Quantitative Analysis with SPSS and R Programing | | | |
| | • Structure Equation Modeling with AMOS | | | |
| | Qualitative Data Management with NVivo | | | |
| Graduate Crources | Advanced Statistics for Social Science | | | |
| | A Short Course on Exploratory Data Analysis (EDA) | | | |
| | Structure Equation Modeling Using Amos | | | |
| | The Right Way to Design and Analyze Experiments | | | |
| | Designing Effective Experimental Research | | | |
| | Advanced Qualitative Research Design | | | |
| | Issues in the Teaching of Mathematics | | | |
| | Computer in Teaching and Learning | | | |