

Mahnaz Moallem, Ph.D.

Professor of Instructional Technology and Research & Department Chair



Department of Educational Technology and Literacy

College of Education

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Education

1993	Ph.D. in Instructional Systems Design/Learning Systems	Florida State University, Tallahassee, FL
1992	Certification in Program Evaluation	Florida State University, Tallahassee, FL
1980	M.S. in Educational Technology	School of TV & Cinema, Tehran, Iran
1976	B.A. English Translation	College of Translation, Tehran, Iran
1971	Teaching Certification, Special Education	Teacher Education College for Special Ed. Tehran, Iran
2000-2018	Teaching Licensure, Instructional Technology Specialist	North Carolina

Formal Leadership & Management Training

Fall 2008	Return on Investment (ROI) (half a day training seminar)	American Management Association, Washington, DC
Spring 2008	-Spiral Up...and other Management Secrets Behind Wildly Successful Initiatives (half a day training seminar) -Judgment: How Winning Leaders Make Great Calls (half a day training seminar) -How Successful People Become even More Successful (half a day training seminars)	Senior Executive Service, Washington DC
Fall, 2007	Developing Executive Leadership in a Government Environment (3 days training seminar)	American Management Association, Washington DC
Fall, 2007	Predictive Human Capital Planning and Management (one-day training seminar)	American Management Association, Arlington, VA
Fall, 2007	Project Management Overview and Leadership (one-day training seminar)	Training/etc Inc, Columbia, MD
Fall, 2007	Learning & Human Capital Measurement (half day training seminar)	Knowledge Advisors, Washington DC

Fall, 2006 Program Management Seminar (4 days
intensive training camp for NSF program
directors) National Science Foundation,
Arlington, VA

Academic Honor & Awards

- 2017 **Recipient of 2017 Achievement Award** by *Association of Educational Communication and Technology (AECT)* for exemplary leadership in developing integrated STEM curriculum and problem-based learning programs.
- 2017 **Recipient of 2017 UNCW Distinguish Faculty Scholar Award**, each year UNCW recognizes two faculties for all aspects of excellence in scholarship, research, and creativity including activities that involve colleagues and students.
- 2015 **Recipient of 2015 Inspiring Women in STEM Award**, the *INSIGHT Into Diversity*. This award is a tribute to inspiring work as a woman in the STEM field. Is recognized in the September STEM issue of *INSIGHT Into Diversity* magazine as one of 100 women who will also be honored.
- 2011-2012 **Recipient of Million Dollar Club Award**, UNCW, The Office of Research Services and Sponsored Programs recognizes faculty members who were awarded a million dollars funding.
- 2011-2012 **Nominated for Board of Governor Award** by Watson College of Education Administrative Team, UNCW
- 2010-2011 **Recipient of the 2011 Graduate Mentor Award**, UNCW, Graduate School
- 2007-2008 **Recipient of Million Dollar Club Award**, UNCW, The Office of Research Services and Sponsored Programs (The award was established for faculty members who receive million dollars grant money).
- 2005-2006 **Recipient of International Travel Award**, UNCW to provide lectures and seminar in the Central Luzon State University, Philippines; National Taichung Teacher College, Taichung, Taiwan and the National Pingtung University of Education, Pingtung, Taiwan.
- 2002-2003 **Recipient of Center for Teaching Excellence Pedagogy Award**, UNCW.
- 2002-2003 &
2003-2004 **Recipient of International Travel Award** to teach a graduate level course at *Shanghai International Studies University*, Shanghai, China, UNCW.
- 2001-2002 **Recipient of Cahill Award for faculty research and development** (a joint research project) on the use of hand-held computers, UNCW.
- 2001-2002 **Recipient of NSF Scholarship Award** to complete a series of evaluation courses in The Evaluator's Institute.
- 2001-2002 **Recipient of Faculty Reassignment Award**, Watson School of Education, UNCW.
- 2000-2001 **Recipient of Chancellor's Teaching Excellence Award**, the University of North Carolina at Wilmington.
- 1997-98 **Recipient of Outstanding Faculty for Contribution to the University**, Watson School of Education, UNCW.
- 1996-97 **Recipient of Cahill Award for faculty research and development** (a joint research project) on peer tutoring vs. adult tutoring, UNCW.
- 1996-97 **Recipient of Faculty Research and Service Award** (a joint research project) on peer-tutoring, Watson School of Education, UNCW.
- 1995 **Recipient of Outstanding Faculty for Contribution to the University**, Watson School of Education, UNC-Wilmington.
- 1994-95 **Recipient of Faculty Research Award** for a project to examine the role of technology resource teachers in the implementation of technology at New Hanover County school district, Watson School of Education.
- 1994 **Recipient of the ECT Foundation's 1994 Special Research Award** for the best qualitative research. This award was sponsored by Association for Educational Communication and Technology—the primary organization for the field of Educational Technology.
- 1986 **Recipient of Outstanding Teaching Award**, Chief Director of Teacher Education Office, Tehran Iran.
- 1977 **Recipient of Master's Scholarship Award**, Ministry of Education, Tehran Iran.
- 1972 **Recipient of Outstanding Teacher Award**, Ministry of Education, Minister, Tehran Iran.

Professional Associations

- American Association of Colleges for Teacher Education (AACTE), 2018
- Association of Educational Communication and Technology (AECT) 1991-present
- American Educational Research Association (AERA), 1991-present
- National Consortium for Instruction and Cognition (NCIC), 1992-present
- Association of Problem-Based Learning and Active Learning Methodologies (2017-new)
- Association for the Advancement of Computing in Education (AACE), 2006-present
- International Association for Development of the Information Society (IADIS), 2005-present
- EDUCAUSE, 2003-Present

Editorial Responsibilities

- **Editorial Board Member**, [*The Interdisciplinary Journal of Problem-based Learning \(IJPBL\)*](#), 2018-present
- **Editorial Board Member**, [*Iranian Distance Education Journal*](#), Aug. 2016-present
- **Editorial Board Member**, [*Malaysian Journal of Learning and Instruction*](#), Jan. 2015-present
- **Editorial Board Member**, [*Journal of Management & Planning in Educational Systems*](#), Sept. 2020-present
- **Editorial Review Board Member**, [*International Journal of Mobile and Blended Learning \(IJMBL\)*](#), 2009-present
- **Editorial Board Member**, *Journal of Theory and Practice in Visual Arts*, Jan. 2021-present
- **Editorial Board Member**, [*Journal of Management and Educational Perspective*](#), 2020-present
- **Editorial Review Board member**, [*Instructional Science*](#), Spring 2019-present
- **Editorial Review Board Member**, *International Journal of Mobile & Blended Learning*, 2008-present
- **Editorial Review**, *The Interdisciplinary Journal of Problem-based Learning (IJPBL)*, 2015-present
- **Editorial Review**, *Journal of Online Learning and Teaching (JOLT)*, 2013-present
- **Executive Peer Reviewer**, *Educational Technology & Society*, 2003-present
- **Editorial Board Member**, *Journal of Technology & Teacher Education*, 2003-Present
- **Editorial Board Member**, *International Journal on E-Learning*, 2003-present
- **Reviewer**, *The International Journal of Leadership in Education*, 1998-present
- **Editorial Review**, *EDUCAUSE Reviewers Committee*, 2012-2018
- **Invited Reviewer**, *Journal of Educational Computing Research*, 2017
- **Editorial Review Member**, *British Journal of Educational Technology*, 2006-2015
- **Editorial Board Member**, *European Journal of Mental Disability*, 1994-2010
- **Editorial Board Member**, *Journal of Effective Teaching*, 2006-2009
- **Invited Reviewer**, *Educational Technology, Research Section* 1993, 1995, 1996

Experiences

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| Fall 2018-
Present | Professor & Chair of the Dept. of Educational Technology & Literacy , College of Education, Towson University (TU), Towson, Maryland |
| Fall 2011-
2018 | <p>Professor & Grant Coordinator, Watson College of Education, UNCW, Wilmington, NC.</p> <p>Responsibilities as a grant coordinator include: Providing leadership in the school for our grant efforts</p> <p>More specifically:</p> <ul style="list-style-type: none"> • Assisting faculty and staff in exploring funding opportunities • Finding collaborators for projects and building coalitions • Assisting faculty in developing and writing up grant proposals • Assisting faculty in finalizing grant-related budgets |

- Conducting grant writing workshops
 - Providing resources and tracking all grant related activities
- Fall 2006-
Fall 2008**
- Instructional Technology Project Leader, National Science Foundation, NSF Academy, Arlington, VA, on a two-year reassignment grant (Intergovernmental Personnel Act (IPA)).** Responsibilities included:
- Providing professional expertise and leadership in various NSF Academy projects and establishing college/university partnerships, guiding innovative and technologically advanced instructional design initiatives, and consulting on performance technology solutions.
 - Working with NSF Engineering Research Centers (ERCs) Division to design and develop an evaluation system for the ERCs.
- Fall 2005-
2017**
- Professor of Instructional Technology & Research and Program Coordinator for Instructional Technology Program, Department of Instructional Technology, Foundations, and Secondary Education, University of North Carolina, Wilmington, Wilmington, NC.** Responsibilities include:
- Developing the curriculum, courses, activities, resources, and materials for the program.
 - Collaborating with other programs (both on-campus and off-campus), local organizations, and businesses.
 - Helping department chairs in hiring new faculty, scheduling and identifying individuals to teach the specialized courses on a part-time basis in the program.
 - Mentoring and assisting junior faculty members and staff.
 - Handling admission, advising, recruiting, and leading students' assistantships, internships, and other extracurricular activities.
 - Chairing all program-related activities (e.g., comprehensive exam, thesis, design, and development research projects and other design and development efforts, internship, etc.).
- Program
Coordinator**
- 1999-2012 &
2014-2015**
- Fall 1999-
2005**
- Associate Professor of Instructional Technology & Research and Program Coordinator for Instructional Technology Graduate Program, Department of Specialty Studies, University of North Carolina, Wilmington, Wilmington, NC; Coordinate Instructional Technology Master's Program. From 1997-1999 was responsible for:**
- Conducting needs assessment for the planning of the new Instructional Technology Master's program.
 - Writing authorization for the planning of the MS program.
 - Designing and developing the MS program in Instructional Technology.
 - Presenting the new program at NC General Administration and being instrumental in getting the program approved at various levels.
 - Recruiting students for the new program and coordinating its implementation.
 - Writing program reports for authorizing the program for M level Licensure at NCDPI and leading the NCDPI Team visit.
- 1993-1999**
- Assistant Professor of Instructional Technology, Department of Specialty Studies, University of North Carolina, Wilmington, Wilmington, NC.**
- 1992-1993**
- Research Assistant, Department of Educational Research, Florida State University, Tallahassee, FL. Responsibilities included participating in designing and conducting a research project on technology directions and requirements. The project examined the trends and issues in the field of instructional technology and evaluated the Instructional Systems Program at Florida State University.**
- 1992-93**
- Research Assistant, Center for Needs Assessment and Planning, Florida State University, Tallahassee, FL. Responsibilities included participating in conducting a needs assessment study on adult and community education in the state of Florida which resulted in writing resource materials for adult education institutes and organizations in the state.**

- 1992-1993** **Teaching Assistant**, Department of Educational Research, Florida State University, Tallahassee, FL. Responsibilities included assisting in teaching a graduate course on statistics (EDF: Descriptive and Inferential Statistics). The course was a required course for all graduate students in education and other related fields.
- 1992-1993** **Teaching Assistant**, Department of Educational Research, Florida State University, Tallahassee, FL. Responsibilities included designing and teaching an undergraduate course in educational psychology (EDF: Classroom Applications of Educational Psychology). The course was a required course for all students who were teacher education majors.
- 1991-1992** **Research Assistant**, Learning Systems Institute, Florida State University, Tallahassee, FL. Responsibilities included participating in collecting, analyzing and summarizing data for a comparative research project focused on mathematics and science achievement of students in the state of Florida and the Republic of Korea.
- 1981-1987** **Instructional Designer**, Ministry of Education, Dept. of Research and Planning Curriculum, Tehran, Iran. Responsibilities included participating in designing and developing curriculum and instructional material for the school system. Involved in designing and developing course material for teacher education programs.
- 1980-1987** **Evaluator/Consultant**, Ministry of Education, Tehran, Iran. Responsibilities included visiting more than 30 schools to evaluate their educational activities and to consider their educational problems. Gave recommendations to decision makers for school improvement. Observed classrooms and staff rooms to evaluate instructional activities and reported teachers' problems regarding textbooks to the Department of Research and Planning Curriculum. Served as a consultant to teachers, supervisors, and inspectors on educational problems.
- 1978-1987** **Senior Lecturer**, Teacher Education College, Tehran Iran. Responsibilities included teaching courses in methods of teaching special children, educational media, educational psychology, developmental psychology, and seminars in problems of teaching to special students in Iran. Supervised student teachers during their practice teaching in schools. Taught and supervised microteaching (laboratory teaching). Organized schools' participation in the teaching laboratory. Served as an advisor for pre-service teachers. Taught summer courses for in-service teachers.
- 1976-1977** **Program Evaluator**, Instructional Television, Unit of Evaluation, Tehran Iran. Responsibilities included assisting in evaluating distance education programs. Organized field test sessions for evaluating developed programs. Participated in design and development of the distance courses. Took part in analyzing and summarizing results of field tests and writing reports concerning proper modification.
- 1975-1976** **Teaching Assistant**, School of Television & Cinema, Tehran, Iran. Responsibilities included teaching an undergraduate course in English.
- 1974-1976** **Principal**, Shafa Elementary School, Tehran, Iran. Responsibilities included directing an elementary school for special needs students. Participated in the province meetings and planning sessions. Involved in organizing summer training workshops for teachers. Was responsible for conducting and evaluating remedial programs.
- 1974-1976** **Teacher**, Shafa Elementary School, Tehran, Iran. Responsibilities included teaching physically and intellectually disabled and gifted students. Designed and developed instructional materials for reading and mathematics.

Courses Taught

ISTC 674 Special Topics—Motivational Design for Learning and Performance

MIT/EDN 595 Grant-writing Workshop Series	Preparing Teachers to Integrate Computing with STEM Curriculum (A team taught course) A semester-long workshop series on grant writing for faculty and staff at Watson College of Education
MIT 514	Foundations of Distance Education, Summer 2010-present (offered for MS in Instructional Technology)
MIT 501	Motivation in Instructional Design, Summer 2009-present (offered for MS in Instructional Technology)
MIT 522	Organization & Management of Instructional Technology Programs (offered for MS in Instructional Technology), Spring 2003-present
MIT 598	Design and Development Research Project (capstone project offered for MS in Instructional Technology), 2009-present (An option for master's Thesis)
MIT 598	Instructional Technology Electronic Portfolio (capstone project offered for MS in Instructional Technology) 2001-2008
MIT 542	Internship (offered for MS in Instructional Technology), 2000-present
MIT 541	Colloquium II: Trends and Issues in IDT (offered for MS in Instructional Technology), 2000-2009
MIT 510	Design & Development of Instructional Technology (offered for MS in Instructional Technology), 2000-present
MIT 500	Instructional Systems Design: Theory & Research (offered for MS in Instructional Technology) 1999-present
MIT 540	Colloquium I: Roles of Responsibilities of Instructional Technologists (offered for MS in Instructional Technology), 1999-2009
EDN 409	Practicum in Secondary Science (9-12), 1998
EDN 599	Master's Thesis Chair, 1997- present
EDN 301	Instructional Design & Classroom Evaluation, 1995-2006
EDN 580	Reflective Practicum (for Master's degree in School Administration), Fall 1995-98
EDN 520	Instructional Development (offered for all master students in education), 1993-2010
EDN 523	Research in Education (offered for all master's students in education), Spring 1996
EDN 301	Instructional Design (A core course for BA in teaching), 1994-95
EDN 302	Classroom Evaluation and Research (A core course for BA in teaching), 1993-95

Supervision of Student Research and Design & Development Research Projects

Example Ph.D. Dissertation and MS Thesis:

- *Parents' Position and the Gaps between Generations in Improving Young Adults with Mental and Behavioral Problems: Development of an Intervention to Improve Young Adult adaptation (Ph.D.)*, Hormozgan University, College of Psychology and Education, Counseling Department (Dissertation Chair: Dr. Igbal Zareie, Committee Members, Mahnaz Moallem), 2022, Defended Jan. 2022.
- *Development and Validation of an Evaluation Model of Learning Materials for Constructivist Online Learning Environment (Ph.D.)*, Ferdowsi University, Mashhad, College of Education and Psychology, Dept. of Information Science and Knowledge Studies (Ameneh Mohamadi) (Dissertation Chair: Prof. Morteza Karami; Committee Members, Drs. Mahnaz Moallem & Jafari Sani), 2019. Defended Jan. 2021.
- *An E-Project- Based Learning Pedagogical Model Using Interactive Edutainment Applications In Inclusive Classrooms" (Ph.D.)*, University of Malaya, Institute of Graduate Studies, Kuala Lumpur (Anuar Mohd Yusof (Dissertation Chair: Prof. Dr. Esther Gnanamalar Sarojini A/P A Daniel), 2016.
- *Strategies on Sustaining Feedback in a Technology Integrated Learning Environment (Ph.D.)*, Universiti Utara Malaysia (University of Malaya, Malaysia, School of Education and Modern Languages College of Arts and Sciences) (NG Huey ZHER (dissertation chair: Prof. Raja Maznah Hussain), 2015.
- *A Computer-Assisted Framework Based On the Bloom Anderson Taxonomy for Teaching Mathematics in the Lower Primary Years (Ph.D.)* (Nasrin Moradmohamand, The University of Western Australia, Australia, School of Computer Science & Software Engineering), 2014.

- *Self-Directed Learning in an e-Socio Constructivist Learning Environment (Ph.D.)* (FOO SZE-YENG, University of Malaysia—Chair Prof. Raja Maznah Raja Hussain), 2013.
- *A Self-directed e-Learning Module to Develop Knowledge, Skills, and Informatics Attitudes in Registered Nurses and Nursing Students* (Marge Verzella, Faculty Chair, RuthAnne Kuiper) (**Master Thesis**) School of Nursing, 2011.
- *Self-regulated Learning and Clinical Reasoning during Acute Versus Community Based Clinical Experiences*, (Cynthia Schweizer Faculty Chair, RuthAnne Kuiper) (**Master Thesis**) School of Nursing, 2011.
- *Teaching-Learning Processes Using the English Language Teaching—Learning Materials in a Smart School*. (Ph.D.) (Ruhaya Hassan, University of Malaysia—Chair Prof. Raja Maznah Raja Hussain)
- *A Theoretical and Practical Study Concerning the User Model for Adaptive e-learning Systems*. (**Ph.D.**) (AmalAbas Al-Dujaily), Massey University, New Zealand. Chair: Dr. Hokyoung)
- *Designing a Model for Industrial on the Job Training Based on Constructivist & Systematic Approaches and Comparing its Effectiveness among Production-line Personnel and Managers*. (**Ph.D.**) (Morteza Karami, Tarbiat Modarres University, Iran--Chair: Dr. Hashem Fardanesh)
- *The Impact of Personalized Learning on Motivation and Student Success in Online Learning* (Chair of **Master Thesis**) Anne Pemberton, UNCW, MIT), 2012.
- *Effects of Learning Styles on Group Dynamics in Online Learning Environments* (Chair of **Master Thesis**) Erica Robertson, UNCW, MIT program), 2010.
- *Instructional Technologists at Public school: A Study of their Future Roles and Responsibilities*. (**Special Research Project**) (Suzanne Rizzo, Master of Education, UNCW)

Example Design & Development Research Projects (Master of Science in Instructional Technology Capstone Project)

- *Conceptual Framework for Critical Thinking (Joy Childs)*
- *E-Learning Advising Module for University Education Students* (Andrea E. Blair)
- *Occupational Stress Management Training* (Danielle N. Butts)
- *Closing the Gap: Using Feedback and Feed-Forward to Promote Problem Based Learning in Distance Education* (Ashley Webb)
- *Promoting Female Participation in STEM (Shelia K Chase)*
- *The Impact of Organizational Values on Employee Performance and Customer Loyalty* (Katherine R Deese)
- *A Study of Learning and Assessment in MOOC* (Andrew Stanley)
- *Diversity training in the global marketplace* (Jean Snider)
- *Motivation of adult learners in self-directed learning environments* (Chapin L Brinegar)
- *NC Cheerleading Coaches' Training* (Jennifer S Warren)
- *Involuntary Commitment Application: An Online Training Module* (Kim Whitfield) (Received Best Student Master's Paper" from the Information Systems Educators Conference (ISECON) –an international conference. The paper will be published in the Information Systems Educational Journal.
- *From Design to Evaluation: Effectiveness Study of a Personalized Learning Approach for Reducing Adolescent Obesity* (Jerome Hoskins). The final paper is published as a book chapter.
- *Water Quality Education: Designing and developing Web-based Inquiry For 8th Grade Middle School Students* (Patrick Murphy)
- *Evaluation of Student Orientation to Blackboard Learn* (Robin Brooke)
- *The Conundrum of Sex Education: The design and development of a self-paced, computer-based module* (Kate Daniele)
- *The Effectiveness of Computer-based Constructivist Learning Environments for Foreign Language Learning* (Herman Hall)
- *Tileston Clinic: Informal Training Module* (Matt Gayford)

Research & Publications

"An experienced teacher model of thinking and teaching: An ethnographic study of teacher cognition."

Dissertation Director: Professor Marcy Perkins Driscoll, 1993

The dissertation received ECT Foundation's 1994 Special Research Award for the best qualitative research.

***Books & Book Chapters**

- Moallem, M. (2021). Smart Educational System. In Moallem, A. (Ed), *Smart and Intelligent Systems: The Human Elements in Artificial Intelligence, Robotics, and Cybersecurity* (n.d.) (pp. 1-33), Rutledge/Taylor & Francis Group., United States: CRC Press.
- Moallem, M., & Igoe, E. (2020). Using computer-based scaffolds to improve problem-solving and reasoning skills in distance education. In Demetrios Sampson & Dirk Ifenthaler (Eds), *Online Teaching and Learning in Higher Education* (Eds) (pp. 135-161), Springer Nature, Switzerland AG 2020. <https://doi.org/10.1007/978-3-030-48190-2>
- Moallem, M., Sterrett, W. L., Gordon, C., Sukhera, S., Mahmood, A., & Bashir, A. (2020). An investigation of the effects of integrating computing and project/problem-based learning in the context of environmental sciences: A case of Pakistani STEM teachers. In Stephen T. Schroth and Janese Daniel ((Eds), *Handbook of Research on Building STEM Skills through Environmental Education* (pp. 49-89), IGI Publication.
- *Moallem, M., Hung, W. & Dabbagh, N. (2019, Eds.). *Wiley Handbook of Problem-Based Learning*, Hoboken, NJ: Wiley Blackwell Inc. ISBN-10: 1119173213. This is the first Handbook in PBL and has five sections, 29 chapters, 275,000 words)
- Moallem, M. (2019). Effects of PBL on Learning Outcomes. In M. Moallem, W. Hung, & N. Dabbagh, (Eds), *Wiley Handbook of Problem-Based Learning* (pp. 106-135), Hoboken, NJ: Wiley Blackwell Inc.
- Hung, W., Moallem, M., & Dabbagh, N. (2019). Social Foundations of PBL. In M. Moallem, W. Hung, & N. Dabbagh, (Eds), *Wiley Handbook of Problem-Based Learning* (pp. 51-81), Hoboken, NJ: Wiley Blackwell Inc..
- Moallem, M., Morge, S., Narayan, S., & Tagliarini, G. A (2016). The Power of Computational Modeling and Simulation for Learning STEM Content in Middle and High Schools. In Michael Urban and David Falvo (Eds.), *Improving K-12 STEM Education Outcomes through Technological Integration* (p. 135-171), IGI Publishing Inc.
- Morge, S. P., Moallem, M., Gordon, C. R. Tagliarini, G. A. & Narayan, S. (2013). Design and implementation of computational modeling for learning mathematical concepts. In Drew Polly (Ed.), *Common Core Mathematics Standards and implementing digital technologies* (p.199-280), Idea Group Publishing Inc.
- Moallem, M. (2013). *Introduction to the translation of "Trends and Issues in Instructional Design and Technology* by Robert A. Reiser & John V Dempsey" to Farsi by Morteza Karami.
- *Bhattacharya, M., Mach, N., & Moallem, M. (Dec. 2011, Eds.). *Emerging technologies for learning: Impact on cognition and culture. E-book & Print*, AACE, Idea Group Inc.
- Karami, M. & Moallem, M. (2011). *The current and future use of emerging technologies in higher education in Iran: A case study*. Book chapter published in Bhattacharya, M., Mach, N., & Moallem, M. *Emerging Technologies for Learning: Impact on Cognition and Culture*. AACE Idea Group Inc.
- Thompson, C., Moallem, M. & Kermani, H. (2011). *Emerging technologies as tools for cross-cultural engagement: How a diverse student body affects teaching, learning and assessment activities*. Book chapter published in Bhattacharya, M., Mach, N., & Moallem, M. *Emerging Technologies for Learning: Impact on Cognition and Culture*. AACE Idea Group Inc.
- Bhattacharya, M. & Moallem, M. (2009). Crossing the borders using collaborative technologies. In M. Bhattacharya & P. Kommers (eds.) *Managing Digital Diversity: Socio-Technological Perspectives*. Idea Group Inc.
- Moallem, M. (2009). The efficacy of current assessment tools and techniques for assessment of complex and performance-based learning outcomes. In P. Rogers, G. Berg, J. Boettcher, C. Howard, L. Justice, and K.

- Schenk (Eds), **Encyclopedia of Distance and Online Learning**, 2nd edition (pp. 703-802), Idea Group Publishing Inc.
- Moallem, M. (2009). Assessment of complex learning outcomes in online learning environments. In P. Rogers, G. Berg, J. Boettcher, C. Howard, L. Justice, and K. Schenk (Eds), **Encyclopedia of Distance and Online Learning**, 2nd edition (pp. 94-102), Idea Group Publishing Inc.
- Moallem, M., Kermani, H., & Chen, S. J. (2006). Handheld, wireless computers: Can they improve learning and instruction? In C. D. Maddux and D.L. Johnson (Eds.), *Classroom integration of type II uses of technology in education* (77-93). U.S.A., Haworth Press, Inc.
- Moallem, M. (2004). Designing and managing student assessment in online learning environment. In Comeaux, P. (Ed.), *Assessing online learning* (pp.18-34). Bolton, MA: Anker Publishing Inc.
- Moallem, M. (2002). *Communicating and collaborating in the Online Classroom: Examples and Applications*. In Comeaux, P. (Ed.) *Designing and implementing an interactive online learning environment*. Bolton, MA: Anker Publishing Inc.
- *Moallem, A., & Moallem, M. (1996). *Curriculum design and educational, training and evaluation materials for specialized vocational training institutions with mentally disabled individuals in France* (Vol. II). Cgyptoise, France: Dialogues Press Company.
- *Odharo, J., Moallem, M., & McCloughan, M. C. (1992). *Assessing needs in adult and community education: Strategies and resource materials*. The Center for Needs Assessment and Planning, Florida State University, Tallahassee, FL.

Journal Articles (Refereed)

- Cai, Q., Moallem, M. (2021). Applying Merrill’s First Principles of Instruction to redesign an online graduate course through the rapid prototyping approach. *TechTrends*, <https://doi.org/10.1007/s11528-021-00658-w>
- Sterrett, W., Azam, R., Moallem, M., Boersma, J., Bashir, A., Ricanek, K., Saeed, M., Butt, I., Mahmood, A., Sukhera, S. and Gordon, C. (2020), Sharing a powerful IDEA: learning organizations collaborating to innovate and design engaging applications in STEM education, [Development and Learning in Organizations](https://doi.org/10.1108/DLO-06-2019-0137), Vol. 34 No. 2, pp. 9-12. <https://doi.org/10.1108/DLO-06-2019-0137>
- *Webb, A., & Moallem, M. (2016). Feedback and feed-forward for promoting problem-based learning in online learning environments. *Malaysian Journal of Learning and Instruction (MJLI)*, 13(2), 11-41.
- Moallem, M. (2015). The impact of synchronous and asynchronous communication tools on learner self-regulation, social presence, immediacy, intimacy, and satisfaction in collaborative online learning. *The Online Journal of Distance Education and e-Learning*, 3 (3), 55-77.
- *Karami, M., Fardanesh, H., Abbaspour A., & Moallem, M. (2009). Comparing effectiveness of systematic and constructive instructional design model in managers training and development, *Journal of Management and Planning in Educational Systems*, 2, 9-30.
- Moallem, M. (2007). Accommodating individual differences in the design of online learning environments: A comparative study, *Journal of Research on Technology in Education*, 40(2), 219-247.
- Moallem, M. Kermani, H., & Chen, S.J. (2005). Handheld, wireless computers: Can they improve learning and instruction? *Computers in Schools*, 22(3), 93-106.
- Moallem, M., Chen. S.J., & Kermani, H. (2005). Using handheld, wireless computers to improve assessment of learning and instruction. *Educational Technology*, 45(6), 12-22.
- Moallem, M. (2004). A review of distance learning and university effectiveness: Changing educational paradigms for online learning. *Journal of Educational Technology & Society*, 7(2), 145-147.
- Moallem, M. (2003). An interactive online course: A collaborative design model. *Educational Technology Research and Development*, 51(4), 85–103, ISSN 1042–1629.
- Moallem, M. (2003, winter). Applying learning styles in an online course. *Academic Exchange Quarterly*, 7(4), 204-209, ISSN 1096-1453.

- Applefield, J. M., Huber, H., & Moallem, M. (2001). Constructivism in theory and practice: Toward a better understanding. *The High School Journal*, 84(2), 35-53.
- Moallem, M. (2001). Applying constructivist and objectivist learning theories in the design of a Web-based course: Implications for practice. *Journal of Educational Technology & Society*, 4(3) ISSN 1436-4522.
- Kermani, H, & Moallem, M. (2001). Cross-age tutoring: Exploring the characteristics and process of peer-mediated learning. *Dialogue From the Field*, 4(3), 453-485.
- Moallem, M., & Earle, R. (1998). Instructional design models and teacher thinking research: Toward a new conceptual model for Research and Development. *Educational Technology*, 38(2), 5-22.
- Moallem, M. (1998). An expert teacher's model of thinking and teaching and instructional design models and principles: An ethnographic study. *Educational Technology Research and Development*, 46(2), 37-64.
- Moallem, A., & Moallem, M. (1998). Systemic change in vocational training institutions in France. *International Journal of Disability Development & Education*, 54(1), 17-33.
- Moallem, M. (1997). Review of Instructional Planning: A Guide for Teachers. *Educational Technology Research and Development*, 45(4), 88-95.
- Kermani, H, Moallem, M., & Janes, H. A. (1997). Peer-tutoring: An instructional strategy for promoting the social and academic skills of individuals with intellectual disabilities. *European Journal on Mental Disability*, 4(16), 3-16. (This paper published in both English and French.)
- Moallem, M. (1997). The nature and content of reflective practice: A case of an expert science teacher. *The Clearing House*, 70(3), 143-150.
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*Graduate student

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*Graduate student

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"An Elective Course on Computing and Mathematics Learning," Instructional package for teachers, *INCOME project*, fall 2012.

"Six self-directed learning materials," on Integrating Problem-based Learning and computational thinking in teaching mathematics, *INCOME project*, summer, 2012.

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"Quality Assurance/Quality Control Checklists for Web-based/Computer-based self-Instructional Materials/Courses," NSF Academy, National Science Foundation, Sum, 2008.

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"Security & Privacy Awareness Training" a self-directed, computer-based training materials designed specifically for all NSF staff, IPAs, and contractors, 2008.

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Manuscript under Review for a Refereed Journal

Sponsored Projects

Principal Investigator, Aisha Ali-Comb, Rachel Billman, Qijie Cai, LeanAnn Christenson, Christine Engbert, Dastyni Loksta, Melike Kara, Marcia Vandiver (Co-PIs), *Preparing PK-8 Preservice Teachers to Teach Computer Science: An Alternative Pathway*, Maryland Center for Computing Education (MCCE), Awarded, Sept. 2021, 2023, \$49,736.00.

Co-Principal Investigator, Ari Kim (PI) DSSAC: The Data Science and Sports Analytics Camp. Towson University (TU)-SET Seed Funding (2021-2023), Feb. 2021, \$16,382.56.

Co-Principal Investigator, *Developing and Testing Innovations (DTI): The Data Science and Sports Analytics Camp (DSSAC)*, PI, Stella Tomasi, Co-PI, Ari Kim, submitted to NSF-ITEST, Aug. 2021 \$895,967.53 (pending)

Co-Principal Investigator, *TU-COE-Robotics Program*, PI, Qijie Cai, Co-PI, Christine Engbert, submitted to MSDE, June 18, 2021, \$9,998.0. **Awarded, Aug. 2021.**

Co-Principal Investigator, *Innovating and Designing Engaged Applications in STEM Education (IDEA-STEM): Expanding the knowledge and Capacity of Pakistani STEM Teachers*, William Sterrett (PI), Jess Boersma & Karl Ricanek (co-PI). Submitted to Dept. of State, April, 2018, **Awarded, Sept. 2018** (end date Aug. 2019), \$188,061.

Principal Investigator, *Integrated Certificate in STEM Education*, Narayan, Sridhar (Co-Principal), Lugo, Gabriel (Co-Principal), Reamer, Amy (Co-Principal), Tagliarini, Gene A (Co-Principal), Gordon, Christopher (Co-Principal), and McNulty, Carol (Co-Principal). Submitted to **National Science Foundation-Noyce Grant**, March 5th 2014. \$300,000, **Awarded Aug. 2014**-start time Jan. 2015 completed Dec. 2017.

Principal Investigator, *Preparing Teachers to Integrate Computing with STEM Curriculum (PTICS)*, Tagliarini, Gene A (Co-Principal), Narayan, Sridhar (Co-Principal), Gordon, Christopher (Co-Principal), Karen Hill (Co-Principal), Melissa Smith (graduate student support). Submitted to Google, Computer Science for High School, \$15,000, Dec. 2nd 2013. **Awarded March 2014**, completed **Aug. 2014**.

Principal Investigator, *"INCOME Cycle XI – INCOME – Integrating Computing and Mathematics Education"* Morge, Shelby P (Co-Principal), Tagliarini, Gene A (Co-Principal), Narayan, Sridhar (Co-Principal), Gordon, Christopher (Co-Principal), Submitted to NC QUEST / Quality Educators through Staff Development and Training across North Carolina, Nov. 15, 2012, \$149,953, **Awarded, Feb. 2013**, completed **Aug. 2014**.

Principal Investigator, *INCOME – Integrating Computing and Mathematics Education*, Morge, Shelby P (Co-Principal), Tagliarini, Gene A (Co-Principal), Narayan, Sridhar (Co-Principal), Gordon, Christopher (Co-Principal), Submitted to NC QUEST / Quality Educators through Staff Development and Training across North Carolina, U.S. Dept. of Education, Nov. 15, 2011, \$199,901. **Awarded, 2012**, completed **Aug. 2013**.

Co-Principal Investigator, *Using Squeak to Infuse Information Technology into the STEM Curriculum in Grades 7-12*. **Awarded** by National Science Foundation, \$1,199,546, 2006 (PI: Gene A. Tagliarini & Co-PI: Sridhar Narayan; Shelby Morge). **2006-2011**

Principal Investigator, IPA, National Science Foundation, \$139,526.00, **Awarded Sept. 2007**.

Principal Investigator, IPA, National Science Foundation, \$126,526.00, **Awarded Sept. 2006**.

Co-Principal Investigator, *Evaluating the Effect of PDA Technology Resources on Situated Cognition*" Submitted to National Institutes of Health, \$125,000, **Awarded, 2006** (PI: Ruth Anne Kuiper).

Co-Principal Investigator, *"Clinical Reasoning, Self-Regulated Learning and Use of Personal Digital Assistants (PDAs): Evaluating the Effect of Technology on Learning Outcomes Of Undergraduate Baccalaureate Nursing Student"* National League for Nursing, \$5000.00, **Awarded, 2005** (PI: Ruth Anne Kuiper).

Principal Investigator *"Designing And Developing An Online Certificate Program For The Educators Who Want to Become Technology Facilitators In Public Schools"* Office of President of NC System, (\$83,000), **Awarded 2004**.

Project Evaluator, *"Technology for Assessment & Assessment Coalition"* Preparing Tomorrow's Teachers to Use Technology (PT3) Grant, U.S. Department of Education (\$963,815). **Awarded, 2001**.

Grants Applied

Principal Investigator, *Transforming Undergraduate STEM Teacher Preparation (TUSTP): Leveraging Emerging Technologies to Prepare Teachers to Integrate CT/CS in PK-8 STEM Curriculum*, submitted to NSF-IUSE: HER. Co-PI, submitted July 2021, 1,963,755. **Not awarded**

Principal Investigator, *Computer Science for Teachers (CSFT): Applying Research to Prepare K-8 Teachers to Teach Computer Science*, CS ER Google Grant/Gift, Co-PIs: Destyni Loksa, Aisha Ali-Gombe, Qing Li, Christine Engbert, & Qijie Cai, May 15, 2021, \$120,000. **Not awarded**

Co-Principle Investigator, *Collaborative Research: BASE -Building an Army of Security Experts*, PI, Sarrafzadeh, A. submitted to Secure and Trustworthy Cybersecurity (SaTC) Education (EDU), National Science Foundation, NSF 19-603, CNS PI, January 7, 2020, \$213,658. **Not awarded**

Co-Principle Investigator, *Transforming STEM Education in Uzbekistan*, PI, Jeremy Tasch, Towson, Co-PI, Christopher Gordon, grant submitted to UniCEN, DTDT2287, May 2020, \$118,336. **Not awarded**

Co-Principle Investigator, *Transforming STEM Education in*, PI, Jeremy Tasch, Towson, Co-PI, Christopher Gordon, grant submitted to U.S.-Kazakhstan University Partnerships Grants Program, FDQY7253, Dec. 2019, \$ 67,475. **Not awarded**

Principal Investigator, *Teaching Excellence and Achievement: Cultural Understanding through Partnership (TEACUP)*, Dept. of State, SCAISB-19-AW-001-02072019, Co-Investigators, Kate R. Allman, Saleha Suleman, Nancy Dufau, Angela C. Schaffer, Scot W. McNary, Gilda Martinez-Elba, Huili Hong, Rebecca Shargel, & Qing Li., submitted, **April, 2019**, \$ 671,093.00, **Not awarded**.

Principal Investigator, *The UNCW Noyce Scholarship Program*, National Science Foundation (NSF), Co-Investigators: Stuart Borrett, Gabriel Lugo, Sridhar Narayan, Jeffery Hill, Sridhar Varadarajan, Amy Reamer, Christopher Gordon, Gene Tagliarini, Shelby Morge, and Dennis Kubasko, proposal was fully prepared for submission, but not submitted, **August, 29, 2017**, \$1,188,799.38. **Not awarded**

Co-Principal Investigator, *Integrating Collaboration, and Engagement in STEM: Supporting Pre-service and In-service Educators*, Agency for International Development (USAID), 31150 - I3S - Institute for Interdisciplinary Identity Sciences, *William Sterrett* (Principal Investigator), Co-Investigators: Jess Boersma, Dennis Kubasko, and Karl Ricanek, Submitted **Jan. 12th**, \$449,972. **Not Awarded**

Co-Principal Investigator, *SBIR: Voice Recognition for Discussion Based Instruction*, submitted to DOED Institute of Education Sciences (IES) (**PI**, Curry Guinn, Computer Science; Co-investigators: Daisyane Barreto and Toni Pence), **Jan. 2017**, \$ 49,852.42. **Not Awarded**

- Principal Investigator, INSTEP – Integrated STEM Education Program, (Co-Principals:** Narayan, Sridhar, Lugo, Gabriel, Tagliarini, Gene A, Varadarajan, Sridhar, Kubasko, Dennis, Morge, Shelby, Reid-Griffin, Angela. Submitted to NC QUEST / Quality Educators through Staff Development and Training across. Submitted **Nov. 15, 2016, \$299,995.31. Not Awarded**
- Principal Investigator, Universal Writing Continuum Professional Development, and Student Engagement Platform** Investing in Innovation Fund (i3- CFDA Number: 84.411C –U.S. Dept. of Education, (Co- Investigators: Tom Janicki, George Kamberelis), Submitted **Aug. 16, 2016, \$1,139,884. Not Awarded**
- Principal Investigator, Improving the Quality and Effectiveness of STEM Teaching (iQUEST)** submitted to the United States Air Force Academy (USAFA) USAFA-FOA-2016-2; Gabriel Lugo, Jeffery Hill, Sridhar Varadarajan, Amy Reamer, Gene Tagliarini, Shelby Morge, and Dennis Kubasko (Co-Investigators). Submitted **June 16, 2016, \$9,865,319. Not Awarded**
- Principle Investigator, Feedback and Feed Forward to Improve Problem-based Learning in Online Learning Environments** (Co-PI: Kermani, H.), IDEA Impact Grant, the proposal submitted **March 31st, 2016, \$10,000. Not Awarded**
- Principal Investigator, "INCOME Cycle XII – INCOME – Integrating Computing and Mathematics Education "** Morge, Shelby P (Co-Principal), Tagliarini, Gene A (Co-Principal), Narayan, Sridhar (Co-Principal), Gorden, Christopher (Co-Principal), Submitted to NC QUEST / Quality Educators through Staff Development and Training across. **Submitted Nov. 15, 2013, \$149,969.90. Not awarded.**
- Principal Investigator, Integrated Certificate in STEM Education (INCISE),** Submitted to National Science Foundation Sridhar Narayan; Gabriel Lugo, Gene Tagliarini, Amy Reamer, Chris Gordon & Carol McNulty (Co-Investigators). Integrated Certificate in STEM Education (INCISE), **Submitted, March 21st, 2013, \$299.761. Not awarded.**
- Team Leader & Grant Writer and Coordinator, Wave IIIa grant (in collaboration with Onslow County School System, NC). Innovative High School at Sturgeon City** submitted to Next Generation Learning Challenges (IGLC), **June 2012, \$500,000. Not Awarded.**
- Principal Investigator, iCSTEM – Integrating Computing into Science, Technology, Engineering, and Mathematics,** submitted to U.S. Department of Education (i3 grant), **April 2012, \$2,999,876.01. Not Awarded.**
- Co-Investigator, STEMEE--Science, Technology, Engineering and Mathematics in Early Education,** Submitted to Brady Education Foundation (PI: Hengameh Kermani; Amelia Moody, Dec. 16, 2011. Pre-proposal accepted, submitted as a full proposal, April 2012, \$103,384. Not Awarded- positive review— **revised and resubmitted, Dec. 14, 2012.**
- Co-Principal Investigator, Creating a Patient Safety Simulation Center to Educate Health Care Providers in the Community,** Submitted to U.S. Department of Health and Human Services -Health Resources & Services Administration (AHRQ), (PI: Ruth Anne Kuiper: Co-PI: Mahnaz Moallem), **May 2011. \$688,981.25. Not Awarded**
- Co-Principal Investigator, Creating a Patient Safety Simulation Center to Educate Health Care Providers in the Community,** Submitted to US Department of Health and Human Services -Health Resources & Services Administration (AHRQ), (PI: Ruth Anne Kuiper), **May 2011. \$688,981.25. Not Awarded**
- Co-Principal Investigator, Improving Patient Safety through Simulation Research,** submitted to US Department of Health and Human Services--RFA-HS-10-018, \$350,000 (PI: Ruth Anne Kuiper). **Not Awarded**
- Co-Principal Investigator, Interaction in Online Learning: A Comparative Study on the Impact of Communication Tools on Student Learning, Motivation, Self-regulation, and Satisfaction** (with Pastore, R., Martin, F. submitted **Oct. 2010, Cahill Award, UNCW. Not Awarded**

Other Internal Grants Awarded

Co-Principal Investigator, DSSAC: The Data Science and Sports Analytics Camp, Principal Investigator, Ari Kim. Submitted to Towson University (TU)-SET Seed Funding (2021-2023), Feb. 2021, \$16,382.56. **Awarded**

Co-Principal Investigator, Computing for All Girls, PI, Qing Li, Co-PI, Qijie Cai, submitted to The TU (Towson University) Foundation, \$25,000 fall 2019-2021, **Awarded** Jan. 2020.

Watson School of Education Mini Grant (\$2,850) Travel and summer research awards, UNCW, spring **2016**

UNCW, Cahill Award, (Co-Investigator), *Reaching Potential: Incorporating Science, Technology, Engineering, and Mathematics (STEM) Education in Early Childhood Settings*, (Hengameh Kermani (Principal Investigator) Amy Moody, & Jale Aldemir (Co-PI). Submitted for Cahill Award, UNCW, Oct. 2012, \$3,140. Awarded spring **2013**.

UNCW, Cahill Award (\$3,140), (Co-PI-PI: Dr. Kermani). *Reaching Potential: Incorporating Science, Technology, Engineering and Mathematics (STEM) in Education in Early Childhood Settings*, spring **2012**

Watson School of Education Mini Grant (\$2,800) Travel and summer research awards, UNCW, spring **2012**

UNCW-ITS (# \$ 15,000), for the project "Cisco Telepresence to improve the delivery of the MIT courses" (collaborative grant with Dr. Martin, Pastore, and Dan Noonan), spring **2011**

Watson School of Education Mini Grant (\$1,500) for the project "Social Technology in Online Learning Environment: An Open and Flexible Instructional Design Framework", UNCW, fall **2006**

Watson School of Education Technology Mini-Grant (\$2,500) for the project "Wiki: A Technology Tool for Promoting Knowledge Construction", UNCW, 2003.

Watson School of Education Technology Mini-Grant (\$2,500) for the project "Podcasting: Developing Media Rich Classroom for Net Generation", UNCW.

Watson School of Education Technology Mini-Grant (\$2,500) to help a high-school teacher to integrate handheld computers in her instruction, UNCW, 2003

Watson School of Education Distance Learning Mini-Grant (\$3,500) to develop online instructional materials for the delivery of MIT 522, UNCW, 2003.

UNCW International Travel Award (\$500) to conduct lecture series at Shanghai University in Shanghai, Republic of China, International Programs, UNCW, 2003.

UNCW Center for Teaching Excellence Pedagogy Award (\$3,000) to develop instructional materials to address different learning styles in an online learning environment, UNCW, 2003.

PT3 Summer Grant (\$3,000) to develop guidelines and training materials for the electronic portfolio for the MIT program. UNCW, 2002.

NSF Scholarship Award (\$1,000) to participate in a series of evaluation courses in The Evaluator's Institute.

E-Learning Initiative Grant (\$7,000) to participate in forming an educational technology consortium (Educational Technology Consortium of North Carolina) for offering a collaborative Instructional Technology Program across five NC campuses, 2001.

UNCW Summer Research Award (\$3,000) to design & develop an online course that considers various learning styles and study the effects of the design specifications (a joined project with Dr. Murdock), summer 2004.

UNCW Cahill Award (\$2,500) for faculty research and development (a joint project with Drs. Chen and Kermani), UNCW, 2002.

Division of Information Technology Systems, Web-Course Development Award (\$5,000) to design and develop EDN 520 for online delivery, UNCW, 2001.

Division of Information Technology Systems, Web-Course Development Award (\$5,000) to design and develop MIT 500 for online delivery, UNCW, 2000.

Division of Information Technology Systems, Web-Course Development Award (\$5,000) to design and develop EDN 301 for online delivery, UNCW, 1999.

UNCW Cahill Award (\$2,500) for faculty research and development (a joint research project with Dr. Kermani) to study peer-tutoring vs. adult tutoring. The project entitled "Cross-age tutoring: Exploring the characteristics and process of peer-mediated learning" UNCW, 1997.

Watson School of Education Faculty Research and Service Award (\$7,000) for a joint research project on peer-tutoring, UNCW, 1997.

Watson School of Education Special Travel Awards (\$750; \$500) to support research related activities. 1997 and 1994.

Watson School of Education Faculty Research and Service Award (\$4,000) for a project to examine the role of technology resource teachers in the implementation of technology at New Hanover County, public school. The grant was awarded by the Watson School of Education, UNCW, 1995.

Paper/Keynote Presentations

Moallem, M. (March 2022, Keynote). *New Trends and Advances in e-Learning. The 9th International and 15th National Conference on E-Learning and E-Teaching*, Online

<https://conf.uok.ac.ir/icelet2022/About/Keynote-Speakers-en.aspx?Lang=en>

Moallem, M. (Feb. 2022, Keynote). *Minding the Souls and Creating Academic Resilience, KEPT Higher Education Leadership Summit 2022, Transforming Higher Education Leaders: Empower, Engage & Expand*, Online.

Moallem, M., Igoe, E. (Nov. 2021). *Problem-based learning and computer-based scaffold in distance education*, invited presentation by Dr. Saeid Safaei. Presented online at the Graduate Leadership course, University of Tehran.

Moallem, M. (Nov. 2021). *Smart Education System: How will It Revolutionize Current Learning Environments?* Paper presented the 2021 AECT International Convention, Los Vegas, Nevada and Online.

Moallem, M., Rosato, J. & Friend, M. (Nov. 2021). *Designing Computer Science Teacher Education Program: Applying CSTA Framework, Standards and Resources*, one-day professional development workshop, the 2021 AECT International Convention, Los Vegas, Nevada and Online.

Moallem, M., Sterrett, W., & Gordon, C. (Aug. 2021). *An Investigation of the effects of integrating computing and project or problem-based learning: The impact on Pakistani STEM teachers*, paper presented at the PBL 2021 conference Aalborg University, Denmark. (Due to COVID-19, the conference was conducted online).

Mahnaz Moallem, Narayan, S., & Lugo, G. (Aug. 2021). *Problem/Project-Based learning and computing: An integrated approach to teaching STEM*, paper presented at the PBL 2021 online conference.

Hung, W, Moallem, M., & Dabbagh, N. (Aug. 2021). *Socio-cultural constructivist learning components in PBL*, paper presented at the PBL 2021 online conference.

Moallem, M. (April 2021, invited). *Sharing CSTA resources: Aligning resources to your plan for designing K-8 CS teacher education programs*, Paper presented at MCCE 2021 Summit. Online.

Moallem, M., & Li, Q. (April 2021, invited). *The role of after school programs: Building internal expertise and connect with underrepresented groups*, Paper presented at MCCE 2021 Summit. Online.

Moallem, M. (March 2021, invited panelist). *Online Education Post Pandemic: Challenges and Opportunities*. Virtual 4th National Symposium on Society & Education, The Institute of Educational, Psychological and Social Research, Kharazmi University, Tehran.

Moallem, M. (Jan. 2021). *Smart Education System*, paper presented at Common Ground Virtual Conference.

Moallem, M. (Nov. 2020). *Integrated STEM: A Transformational Design Model for Preparing STEM Workforce*, paper presented at the virtual 2020 AECT International Convention.

Hung, W, Moallem, M., & Dabbagh, N. Ge, X., Glazewski, K., Grant, M (Nov. 2020, panel presentation). *Invigorating problem-based learning (PBL) with social and cultural considerations in its design and research*, the panel presented at the virtual 2020 AECT International Convention.

- Moallem, M. (April 2020). *Educational Technology: Trends and Issues*. An invited one-hour online presentation and Q&A, University of Tehran, Educational Technology program.
- Moallem, M., Sterrett, W. L., Gordon, C. R. & Sukhera, S. M. (April 2020). *The Effects of Integrating Computing and Project/Problem-Based Learning in Environmental Sciences: A Case of Pakistani STEM Teachers* [Paper Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/trv4s2t> (Conference Canceled, paper posted online)
- Moallem, M. (April 2020). *Higher order thinking assessment in online learning*, invited two-hour online presentation and Q & A at Virtual University of Medical Sciences, Iranian Association of Educational Technology (IAET). SKYROOM.
- Moallem, M. (Dec. 2019). *Integrated STEM: A Practical Model*. Paper presented at The International Conference on Advances in STEM Education conference (ASTEM 2019), Hong Kong.
- Moallem, M., Sterrett, W., Gordon, C., Sukhera, S. (Oct. 2019). *Innovating and Designing Engaged Applications in STEM Education (IDEA-STEM): Expanding STEM Education in Pakistan Middle Schools*. Paper presented at the 2019 AECT International Convention, Las Vegas, Nevada.
- Sterrett, W., Moallem, M., Gordon, C., Sukhera, S., Boersma, J., & Ricanek, K. (November 2019). *Reaching underserved students in Pakistan through STEM education leadership: Innovating and designing engaged teaching applications*. Session presented at meeting of University Council for Educational Administration, New Orleans, LA.
- Sterrett, W., Moallem M., Gordon, C., Sukhera, S., Boersma, J., & Ricanek, K. (October 2019). *Evaluating collaborative efforts to improve STEM instruction in Pakistan*. Session presented at Consortium for Research on Educational Assessment and Teaching Effectiveness, High Point, NC.
- Moallem, M. (May 2019). *Rethinking assessment in the age of immersive learning environments*. Featured speaker. Presented at 2019 Common Ground Conference, Ocean City, Maryland.
- Moallem, M. (April 2019). *What effects PBL have on student learning outcomes*. Paper presented at the 2019 AERA Annual Conference, Toronto, Canada.
- Moallem, M. (April 2019). Problem activities and assessment in problem-based learning. Discussant for five paper presentations, Paper Session. the 2019 AERA Annual Conference, Toronto, Canada.
- Moallem, M. (April 2019). Challenges in evaluating principals, teachers, teachers, and students. Chair of the round table session. The 2019 AERA Annual Conference, Toronto, Canada.
- Moallem, M., Igoe, E. (Oct. 2018). *Problem-based learning and computer-based scaffolds in distance education*, Full paper presented at 15th International Conference, Cognition and Exploratory Learning in Digital Age. Budapest, Hungary.
- Moallem, M. (Oct. 2018). *Technology, learning and expertise*. Chair of the paper session (4 papers). The 15th International Conference, Cognition and Exploratory Learning in Digital Age. Budapest, Hungary.
- Williams, J., Moallem, M. (Oct. 2018). National Alliance on Mental Illness: Facilitation Skills Training for Family Support Group Meetings, Paper accepted for presentation at the 2018 AECT International Convention in Kansas City, Missouri.
- Igoe, E., Moallem, M. (April 2018). *Supporting problem-based learning using computer-based scaffolds in distance education*, Paper presented at the 2018 AERA Annual Conference, New York, NC.
- Moallem, M., Dabbagh, N., & Hung, W. (Feb. 2018). *A symposium on Wiley Handbook of Problem-Based Learning*. The symposium was accepted for presentation at the PBL2018 International Conference in Santa Clara, CA.
- Moallem, M. (Nov. 2017, **Keynote Speech**). *Rethinking assessment*. Keynote speech was delivered in The Social Learning Conference. By Open Learning in Partnership with MEIPTA. Sydney Austria. <https://www.sociallearningconference.com/>
- Moallem, m. (Nov. 2017). *Using technology and engineering process to integrate STEM: Innovative teacher preparation programs*. Paper presented at the 2017 AECT International Convention in Jacksonville, Florida.

- Moallem, m. (Nov. 2017). *Utilizing computer-based scaffolds to support problem-based learning in distance education*. Paper presented at the 2017 AECT International Convention in Jacksonville, Florida.
- Moallem, M. (Feb. 22nd, 2017, **Keynote Speech**). *Taking a Better Look at Blended Learning: Finding Balance*, Keynote Speech was delivered through online video conferencing system, the keynote was presented at 11th Conference on Iran's Electronic Learning (<http://icelet2017.pnu.ac.ir/>), Feb. 22nd, 2017, Tehran, Iran.
- Moallem, M. (Nov. 2016). *Enhancing Problem Solving in Online Learning through Interactive Technologies*. Paper presented at the E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, 2016 (Nov 14, 2016), Washington, D.C.
- Griffiths, C., & Moallem, M (Nov. 2016) *Assessment of the Quality of Online Courses: A Case of a Community College*. Paper presented at the E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2016 (Nov 14, 2016), Washington, D.C.
- Moallem, M., Narayan, S., Lugo, G., & Tagliarini, G. (June 2016). *Integrated STEM Teacher Education Programs: An Innovative Approach to Preparing the 21st Century Worker*. A paper and a poster were presented at Noyce Summit, June 2nd to 4th, Mobile, AL.
- Moallem, M. (Sept. 9th, 2016). **An invited symposium speaker** entitled: The Design and Representation of ILL-Structured Problems in PBL). *Problem-Based Learning: What do Students Learn from it?* The speech was delivered at Problem-Based Learning (PBL) 2016 conference, São Paula, Brazil, Sept. 8 to 10, 2016.
- Moallem, M. (June 2016). *Feedback and feed-forward for promoting problem-based learning in online learning environment*. Paper presented at the Problem-Based Learning (PBL) 2016 conference "Promoting skills – Shaping the Future," Zürich, Switzerland June 12-16 2016.
- Webb, A. & Moallem, M. (April 2016). *Closing the Gap Using Feedback and Feed-Forward to Promote Problem Based Learning in Distance Education*. Paper presented at the 2016 annual meeting of AERA in Washington, D.C.
- Stanley, A. & Moallem, M. (April 2016). *MOOCs and Assessment of Learning Outcomes*. Paper presented at the 2016 annual meeting of AERA in Washington, D.C.
- Moallem, M. Narayan, S., Lugo, G. Reamer, A. & Tagliarini, G. (March 2016). *Integrated STEM Teacher Education Programs: An Innovative Approach to Preparing 21st Century Workforce*. Paper presented at the Society for Information Technology and Teacher Education (SITE) 2016 Conference, March 21-26, Savannah, GA.
- Moallem, M., & Webb, A. (March 2016). *Feedback and Feed-Forward for Promoting Problem Based Learning in Online Learning Environment*. Paper presented at the Society for Information Technology and Teacher Education (SITE) 2016 Conference, March 21-26, Savannah, GA.
- Moallem, M., & Stanley, A. (April 2016). *Assessment in MOOCs: A comparative analysis*. Paper presented at the Society for Information Technology and Teacher Education (SITE) 2016 Conference, March 21-26, Savannah, GA.
- Scull, T., Malik, C., Kupersmidt, J., & Moallem, M. (March 2016). *Rethinking sexuality education: A web-based solution*. Paper presented at the Society for Information Technology and Teacher Education (SITE) 2016 Conference, March 21-26, Savannah, GA.
- Moallem, M., Narayan, S., Gordon, C., Tagliarini, G., & Morge, S. (Sept. 2015). *Integrate Computing & Mathematics Education (INCOME)*. Invited paper presented as a selected NCQUEST grant, NC Ready for Success Statewide K-12 and Postsecondary Education Summit, Sept. 19, 2014, Charlotte, NC.
- Moallem, M., Smith, M. N., Butts, D. (Nov. 2014). *Integrating Computing and Mathematics Education Using Simulation and Modeling*. Paper presented at the 2014 AECT International Convention in Jacksonville, Florida, Nov. 2014.
- Moallem, M. (Nov. 2014) . Chair of the Paper Session: *Problem-Based Learning (PBL)*, Division of Multimedia Production, the 2014 AECT International Convention in Jacksonville, Florida, Nov. 2014.

- Moallem, M. (April 2015). Discussant for a Paper Session (5 papers) titled, "*Massive Open Online Course and Online Learning Spaces*" Paper Session," at the 2015 AERA Annual Meeting in Chicago, April 18.
- Moallem, M. (April 2013). Chair, the Paper Session, titled, "*Measuring, Predicting and Assessing Student Learning via Technology*" at the 2015 AERA Annual Meeting in Chicago, April 20.
- Moallem, M. (April 2015). Chair and organizer "*Problem-Based Education SIG Business Meeting*" at the 2015 AERA Annual Meeting in Chicago, April 18.
- Gordon, C., Moallem, M. Morge, S. (Sept. 2013). *Bringing Computational Thinking to K- 12 Teachers: Effective Models and Strategies*. Paper presentation at TECSCU (Teacher Education Council of State Colleges and Universities) and TRG Fall 2013 Joint Conference, Washington D.C.
- Moallem, M. Gordon, C. Narayan, S., Tagliarini, G, & Morge, S. (Sept. 2013). *Integrating Computing and STEM, Using Simulation and Modeling Technology: A Focus on CCSS* (a panel discussion), Panel accepted for presentation at TECSCU and TRG Fall 2013 Joint Conference, Washington D.C.
- Brinegar, C. & Moallem, M. (June 2013). *Applying Motivational Design Tactics and Strategies to a Self-directed Online Professional Development Course*. Paper presentation at EdMedia 2013: World Conference on Educational Media and Technology, Victoria, Canada.
- Moallem, M., Gordon, C., Morge, S., Tagliarini, G. & S. Narayan (March 2013). *Integrating Computing and Mathematics Education Using Simulation and Modeling*, Paper presentation at Society for Information Technology and Teacher Education 2013 (SITE) Conference, New Orleans, LO.
- Pemberton, A. & Moallem, M. (March 2013). *The Impact of Personalized Learning on Motivation and Student Success in Online Learning*, paper presentation at Society for Information Technology and Teacher Education (SITE) 2013 Conference, New Orleans LO.
- Moallem, M. (March 2013). *Interaction in Online Learning: A Comparative Study*, paper presented as a full paper presentation at Society for Information Technology and Teacher Education (SITE) 2013, New Orleans, LO.
- Moallem, M. (Feb. 2013; a 2-hour invited Speech). *Education of Women and Girls in Iran: Should We Believe What We Hear?* Women on Wednesdays (WOW), Osher Lifelong Learning Institute Forum for the 2013 spring semester, Wilmington, NC.
- Moallem, M. (Nov. 2012). *Bridging Physical Separation: Transformation of Online Learning Environments*, Global Learn Europe/North America Conference 2012, held Online.
- Moallem, M. (April 2012, **invited address**). *Digital Media and Cultural Divide: Implications for Instructional Design*. Innovations in Learning and Technology: Asia-Pacific Perspectives, the Centre for Asia-Pacific Initiatives (CAPI) at the University of Victoria, Victoria, Canada.
- Moallem, M. (April 2012, **invited address**). *The New Generation of Online Learning Environments: Bridging, Physical Separation*. Innovations in Learning and Technology: Asia-Pacific Perspectives, the Centre for Asia-Pacific Initiatives (CAPI) at the University of Victoria, Victoria, Canada.
- Moallem, M. Pastore, R., & Martin, F. (April 2012). *Interaction in Online Learning: A Comparative Study on the Impact of Communication Tools on Student Learning, Motivation, Self-regulation, and Satisfaction*. Paper presented at the 2012 AERA Annual Meeting in Vancouver, British Columbia, Canada.
- Moallem, M. (Jan. 2012, **invited plenary speaker**). *Innovation in Education: Rethinking the Role and Utilization of Technology in Education*, plenary speech, at International Conference on Technology, Innovation, and Education, 2012, Bangkok, Thailand.
- Moallem, M. (Oct. 2011). *Synchronous and Asynchronous Communication Tools: A Multimodal Design Model for Online Learning*, paper presented at Association for Educational Communication and Technology (AECT). Jacksonville, FL.
- Pastore, R., Martin, F., Moallem, M. (Nov. 2011). *Interaction in Online Learning: A Comparative Study on the Impact of Communication Tools on Student Learning, Motivation, Self-regulation, and Satisfaction*, Paper presented at Association for Educational Communication and Technology (AECT). Jacksonville, FL.

- Moallem, M., Pastore, R., & Martin, F. (Nov. 2011). *A Comparative Study on the Impact of Various Communication Tools on Student Learning, Motivation, Self-regulation, and Satisfaction*. Paper presented at E-Learn 2011--World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education in Honolulu, Hawaii.
- Snider, J., Raymer, M., Rankin, A. & Moallem, M. (Nov. 2011). Finding True North: Navigating Instructional Design Principles and Models, Paper accepted for presentation at the annual conference of the Association for Educational Communication and Technology (AECT), Jacksonville, FL.
- Alghafri, T., Regina, M., Moallem, M. (Nov. 2011). The Direct Approach (AD): challenges in a self-instructional module implementation, Paper accepted for presentation at the annual conference of the Association for Educational Communication and Technology (AECT), Jacksonville, FL.
- Moallem, M., Martin, F., & Pastore, R. (Nov. 2011). *Potential of New Video Conferencing Tools for Bringing Distance & Online Learners to the Face-to-Face Classrooms: Bridging Physical Separation*. Paper presented at E-Learn 2011--World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education in Honolulu, Hawaii.
- Bhattacharya M., Mach, N., Moallem, M. (Oct. 2011). A panel discussion on *Creating and Editing an Electronic Book: Challenges and Opportunities*. E-Learn 2011--World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education in Honolulu, Hawaii.
- Moallem, M. (Oct. 2011). *Personalized Learning Environments: Innovation in Education and Training*, a symposium on innovative teaching and learning strategies and approaches for the 21st century. E-Learn 2011--World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education in Honolulu, Hawaii.
- Moallem, M. (June 2011). *Interaction in Online Learning: A Comparative Study on the Impact of Communication Tools on Student Learning, Motivation, Self-regulation, and Satisfaction*, accepted for presentation at ED-MEDIA 2011--World Conference on Educational Multimedia, Hypermedia & Telecommunications to be held in Lisbon, Portugal, June 27-July 1, 2011.
- Moallem, M., Morge, Rougton, C., Tagliarini, G. & S. Narayan, (April 2011). *Problem-based Learning Pedagogy to Infuse Computationally and Modeling Technology in Teaching and Learning in the Core STEM Curriculum*, paper presented at annual conference of American Educational Research Association (AERA), April 2011, New Orleans, LO.
- Moallem, M. (Feb. 2011). *Asynchronous and Synchronous E-Learning: An Analysis and Conceptual Framework*. Paper accepted for presentation at the New Learning Technologies 2011 SALT Conference, Orlando, FL.
- Moallem, M., Morge, Rougton, C., Narayan, S. & Tagliarini, G. (July 2010). *Developing Integrated Learning Activities Using Squeak-Etoys to Improve Conceptual Understanding of Mathematical and Scientific Concepts*, paper presented at annual meeting of Squeak Fest Conference in Wilmington, NC, July 27-29. Hosted by USeIT Project.
- Moallem, M., Morge, S. Narayan, S., Tagliarini, G. (May 2010). *Squeak Etoys Modeling and Simulation Tool: Empowering Students and Teachers to Create, Explore, Collaborate, and Interact*. Paper accepted for Research/Technical Showcase at Global Learn Asia Pacific 2010--Global Conference on Learning and Technology to be held in Penang, Malaysia, May 17-20.
- Moallem, M. (May 2010). *Knowing What Students Know: Assessments of Complex Skills in Global Economy & Fast-Changing World*, proposal accepted for panel discussion papers at Global Learn Asia Pacific 2010--Global Conference on Learning and Technology to be held in Penang, Malaysia, May 17-20.
- Moallem, M., Morge, S. Narayan, S., Tagliarini, G. (May 2010). *Using Squeak Etoys and Problem-Based Learning Pedagogy to Infuse Information Technology skills into the Core STEM Curriculum*, paper presented as a full paper presentation at Global Learn Asia Pacific 2010--Global Conference on Learning and Technology to be held in Penang, Malaysia, May 17-20.

- Morge, S., Moallem, M., Narayan, S., & Tagliarini, G. (March 2010). *Games and Simulations Panel*. Panel proposal accepted for presentation at annual conference of Society for Information Technology & Teacher Education International (SITE), San Diego, CA.
- Moallem, M., Morge, S. Narayan, S., Tagliarini, G. & Daniels, K. (March 2010). *Integrating Computational and Modeling Technology with Problem-based Learning to Improve Teaching and Learning in the Core STEM Curriculum*. Paper presented as a full paper session at the annual conference of Society for Information Technology & Teacher Education International (SITE), San Diego, CA.
- Moallem, M., Morge, S. Narayan, S., Tagliarini, G. & Daniels, K. (April 2010). *Integrating Computational and Modeling Technology Using Squeak Etoys and Problem- Based Learning Pedagogy to Infuse Information Technology skills into the Core STEM Curriculum*. Paper presented at a paper presentation session at the annual conference of the American Educational Research Association (AERA), Denver, CO.
- Moallem, M. (Oct. 2009). *Social Media & Informal Learning Spaces for online Teaching & Learning: Making Connection in the Age of Participatory Media*, Paper presented at the annual conference of the Association for Educational Communication and Technology (AECT), Louisville, KY.
- Moallem, M., Morge, S. Narayan, S., Tagliarini, G. & Daniels, K. (Oct. 2009). *USeIT: A NSF-Funded Project Using an Open-Source Modeling and Simulation Tool to Transform Learning & Instruction*, Workshop presented at the annual conference of the Association for Educational Communication and Technology (AECT), Louisville, KY.
- Moallem, M. (Dec. 2008). *Integrating Assessment into Center-wide Strategic Planning*, invited presentation at the NSF Annual Meeting for Engineering Research Centers, Washington DC.
- Moallem, M. (Nov. 2008). *The power of Pedagogy for Assessing 21st Century Skills: Transforming Online Learning Using Emerging Technology*, Paper presented at the annual conference of the Association for Educational Communication and Technology (AECT), Orlando, FL.
- Bhattacharya, M. & Moallem, M. (Sept. 2008). Analysis and Integration of 21st Century Skills for Learning and Assessment. *Paper presented at the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education (ELEARN)*. 17-21, Las Vegas.
- Moallem, M. (Aug. 2008). *Social Networking: Connecting Instructional Designers*, Paper presented at the New Learning Technologies (SALT) Fall 2008. Arlington, Virginia.
- Moallem, M. (Feb. 2008). *Multi-modal delivery in online learning: A convergence of synchronous and asynchronous communication*. Paper presented at the New Learning Technologies 2008 SALT Conference, Orlando, FL.
- Moallem, M. (Feb. 2008). *Using wireless PDAs to improve assessment of learning and instruction: A pedagogical approach*. Paper presented at the New Learning Technologies 2008 SALT Conference, Orlando, FL.
- Moallem, M. (Dec. 2007). *Assessment of complex learning tasks: A design model*. Paper presented at the annual conference of Cognition and Exploratory Learning in Digital Age (CELDA), Algarve, Portugal.
- Moallem, M. (Aug. 2007). *Designing Balanced Instructional Materials to Accommodate Learners' Multiple Learning Styles in Online Learning*, Paper presented at the New Learning Technologies 2007 (SALT), Aug. 22-24, Arlington, Virginia.
- Moallem, M. (April 2007). *Accommodating individual differences in the Design of Online Learning Environments: A Comparative Study*. Paper presented at annual conference of the American Educational Research Association (AERA) (Division C-Learning and Instruction), Chicago, IL.
- Moallem, M. (April 2007). *Improving interaction and immediacy in online learning: Evaluation of an exploratory design and development model*. Paper presented at annual conference of the American Educational Research Association (AERA) (SIG-IT), Chicago, IL.

- Moallem, M. (March 2007). *Social interaction tools in online learning: Are they adequate for a wide range of interactions*, Paper presented at the UNC Teaching and Learning with Technology Conference, Raleigh, NC.
- Moallem, M. (Nov. 2006). Exploring Synchronous Learning Management Systems: A Conceptual Design & Development Model. Paper presented at the annual conference of Cognition and Exploratory Learning in Digital Age (CELDA), Barcelona, Spain.
- Bhattacharya, M. & Moallem, M. (2006). *Project on Problem Based Learning: A New Zealand-US Collaboration on Research and Teaching*. Paper presented at the International Conference PBL 2006 ABP. Pontificia Universidad Católica, Perú.
- Moallem, M. (April 2006). *A comparative study of effects of considering learning styles for the design of online instructional materials: Matching/mismatching Revisited*, Paper presented at annual conference of the American Educational Research Association (AERA) (Division C-Learning and Instruction), San Francisco, CA.
- Moallem, M. & Smith-Hunnicut, N. (March 2006). *Horizon Wimba Communication Tools: Providing Best Environment for Learners with Multiple Learning Styles*, Interact Technology Showcase, UNCW.
- Moallem, M., Nelson, T, Strauss, F & Schauss, M. (March 2006). *Wiki: A Technology Tool for Promoting Knowledge Construction*, Interact Technology Showcase, UNCW.
- Moallem, M. & Smith-Hunnicut, N. (March 2006). *Developing an online course using Vista: Lesson Learned*, Interact Technology Showcase, UNCW.
- Moallem, M. (March 2006). *A comparative study of effects of considering learning styles for the design of online instructional materials*, Paper presented at the UNC Teaching and Learning with Technology Conference, Raleigh, NC.
- Moallem, M. (March 2006). *How new and internet-based communication tools may change online learning environments: A multimodal approach*, Paper presented at the UNC Teaching and Learning with Technology Conference, Raleigh, NC.
- Moallem, M. (March 2006). *Using technology to expand international experiences*, Paper presented at the UNC Teaching and Learning with Technology Conference, Raleigh, NC.
- Moallem, M. Chen. SJ, & Kermani H. (Dec. 2005). Virtual Communities: Promoting Mutual Understanding, Learning & Harmony. *International Seminars: Breaking Barriers in Education*, Creating Future Schools Today, Baguio City, Philippines.
- Moallem, M. Chen. SJ, & Kermani H. (Dec. 2005). Designing technology supported learning environment, *International Seminars: Breaking Barriers in Education*, Creating Future Schools Today, Baguio City, Philippines, Dec. 2005.
- Moallem, M. Chen. SJ, & Kermani H. (Dec. 2005). Integrating computer-based technology in the curriculum (half a day workshop). *International Seminars: Breaking Barriers in Education*, Creating Future Schools Today, Baguio City, Philippines.
- Moallem, M. (April 2005). *Alternative and Performance-based Assessment in Online Learning*. Paper presented at annual conference of the American Educational Research Association (AERA) (Classroom Assessment SIG). Montreal, Canada.
- Moallem, M. (April 2005). *Learning Styles in an Online Course: Design, Development, and Evaluation*. Paper presented at annual conference of the American Educational Research Association (AERA). Montreal, Canada.
- Moallem, M. (March 2005). Considering Students' Preferred Learning & Thinking Styles in the Design of Web-Based Instruction, Paper presented at the annual meeting of UNC Teaching and Learning with Technology Conference, Raleigh, NC.

- Robertson, E. J., & Moallem, M. (March 2005). Effects of Learning Styles on Group Dynamics in Online Learning Environments, Paper presented at the annual meeting of UNC Teaching and Learning with Technology Conference, Raleigh, NC.
- Moallem, M. Summerville, J., Chen, S.J., Ennis, M., & Lee, K. (March 2005). A half of day technology demonstration conducted in INterAct Technology Conference, Wilmington, NC.
- Moallem, M. (Dec. 2004). *Performance-based assessment in online learning: Analysis, framework, and strategies*. Paper presented at the annual conference of International Conference on Computers in Education (ICCE), Melbourne, Australia.
- Tracey, M. W, Reiser R., Newman, D., & Moallem, M. (Oct. 2004). *Enhancing Lesson Planning Through Instructional Design*. Paper presented at the annual conference of the Association for Educational Communication and Technology (AECT), Chicago, IL.
- Moallem, M. (Oct. 2004). *Electronic Portfolio Development: A Capstone Experience to Assess Instructional Technology Competencies*. Paper presented at the annual conference of the Association for Educational Communication and Technology (AECT), Chicago, IL.
- Moallem, M. (Oct. 2004). *Alternative and performance-based assessment in online learning: Analysis, framework, and strategies to systematically assess student learning*. Paper presented at the annual conference of the Association for Educational Communication and Technology (AECT), Chicago, IL.
- Moallem, M. (April 2004). *Evaluation results of applying an activity-based model to design and develop an interactive online course*. Paper presented at the annual conference of the American Educational Research Association (AERA) (Division C - Section 7, Paper Session: Research on Distance Learning). San Diego, CA.
- Moallem, M., Kermani, H., & Chen, SJ. (April 2004). *Handheld, wireless computers: How they can improve learning and instruction*. Paper presented at the annual conference of the American Educational Research Association (AERA) (SIG: Instructional Technology, Paper session1). San Diego, CA.
- Moallem, M. (2004). Alternative and Performance-based Assessment in Online Learning: Analysis, Framework, and Strategies to Systematically Assess Student Learning. Paper presented at the 2004 UNC Teaching and Learning with Technology Conference, Charlotte, NC.
- Moallem, M. & Micallef, S. (2004). Handheld, Wireless Computers in a High School English Course: A Collaborative Effort. Paper presented at the 2004 UNC Teaching and Learning with Technology Conference, Charlotte, NC.
- Moallem, M. Phillips, C. (2004). *Electronic portfolio development: A capstone experience to assess Instructional Technology competencies*. Paper presented at the 2004 UNC Teaching and Learning with Technology Conference, Charlotte, NC.
- Moallem, M. & Phillips, C. (March 2004). *Electronic portfolio development: A capstone experience to assess Instructional Technology competencies*. Paper presented at the Society for Information Technology and Teacher Education International Conference. Atlanta, GA.
- Moallem, M. Chen, S. J., & Kermani H. (Dec. 2003). *Mobile Technology: An Investigation of Its Potential for Improving Learning and Instruction*. Paper presented at the annual meeting of International Conference on Computers in Education, Hong Kong, China.
- Moallem, M., Kermani, H., & Chen, SJ (April 2003). *Incorporating Computer Assistance in Assessment: The Use and Benefits of Handheld, Wireless Computers in School Learning and Quality of Instruction*. Paper presented at the annual meeting of National Consortium of Instruction and Cognition, Chicago.
- Chen, SJ., Moallem, M. Kermani, H. (April 2003). *Integrating Wireless Computer Technology into Classroom Instruction*. Paper presented at the Annual Meeting for Society for Information Technology and Teacher Education. Albuquerque, New Mexico.

- Moallem, M. (Dec. 2002). *The implications of research literature on learning styles for the design and development of a Web-based course*. Paper presented at the annual meeting of International Conference on Computer Applications in Education, Auckland, New Zealand.
- Moallem, M., Kermani, H., & Chen, S.J. (Nov. 2002). *Handheld, wireless computers: How they can improve learning and instruction*. Paper presented at the annual meeting of International Conference on Information and Communication Technologies in Education, Badajoz, Spain.
- Chen, S. J., Moallem, M., Kermani, H. (Nov. 2002). *Handheld, Wireless Computers and Their Effects on the Design and Development of an Interactive Instruction*, Paper presented at the annual conference of the Association for Educational Communication and Technology, Dallas, TX.
- Moallem, M. (Nov. 2002). *A Collaborative Design Model for An Online Learning Environment*. Paper presented at the annual conference of the Association for Educational Communication and Technology, Dallas, TX.
- Wetherill, K., Moallem, M., Midget, C. (June 2002). *Technology for Assessment and Assessment Coalition*. Paper presented at the Annual meeting of PT3 Grantees, Washington, D. C.
- Moallem, M. Phillips, C., Brinson, D., Bruton, B., Gonzaloz, P. (April 2002). *An interactive online course: A collaborative design model*, Teaching & Learning with Technology Collaborative, Greensboro, NC.
- Smith, R. W., Moallem, M., Sherrill, D. (Oct. 2001). *Improving high schools: What works and why?* Paper presented at the annual meeting of the North Carolina Teacher Education Forum, Raleigh, NC.
- Moallem, M (Oct. 2001). *The implications of research on learning styles for the design and development of a Web-based course*. Paper presented at the annual meeting of the Association for Educational Communication and Technology, Atlanta, GA.
- Gilbert, N., Ley, K., Kirby, E., Moallem, M., Zahner, J. (Oct. 2001). *The collaborative clinic: Online discussion groups*. Paper presented at the annual meeting of the Association for Educational Communication and Technology, Atlanta, GA.
- Moallem, M. (Oct. 2000). *Designing an Interactive Online Course: Applying Theories into Practice*. Paper presented at the annual meeting of the Association for Educational Communication and Technology, Denver, Colorado.
- Moallem, M. (Oct. 2000). *Fostering Online Learning: An Investigation of the Effects of Integrating Constructivist and Objectivist Instructional Theories in the Design and Delivery of An Online Course*. Paper presented at the annual meeting of the Association for Educational Communication and Technology, Denver, Colorado.
- Moallem, M. (Oct. 2000). Reform Models & Adoption of Change. As part of a team presentation in a 45 minutes Symposium on *Comprehensive School Reform in North Carolina: Implications for Teacher Education Programs* presented by Brewer, D., Johnston, B., Moallem, M., Sherrill, D., & Smith, R. W. (names are in alphabetical order) (Oct. 2000). North Carolina Teacher Education Forum, Raleigh, NC.
- Moallem, M., & Kermani, H. (April 2000). *Group Interaction in Online Instructional Systems: How does it occur and can it replace face-to-face interactions?* Paper presented at the annual meeting of the National Consortium for Instruction and Cognition, New Orleans, LA.
- Moallem, M. (April 2000). Discussant for Session 6.07 on "*Mentoring and Career Education: Goals, Practice, and Experiences of Mentors and Mentees*--presented at the annual meeting of American Educational Research Association, New Orleans, LA.
- Moallem, M. (Feb. 2000). *Designing Web-based Instruction: Integrating objectives and constructivist design models*. Presented at the annual meeting of the Association for Educational Communication and Technology, Long Beach, CA.
- Kermani, H., & Moallem, M. (April 1999). *Fifth graders teaching kindergarten children: Consequences of cross-age tutoring in primary grades*. Poster presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, New Mexico.

- Moallem, M. (Feb. 1999). Discussant for two papers presented at the annual meeting of Association for Educational Communication and Technology, Houston, TX.
- Moallem, M. (Feb. 1999). *The computer-mediated communication (CMC) for learning in postsecondary education: What research says?* Paper presented at the annual meeting of the Association for Educational Communication and Technology, Houston, TX.
- Moallem, M. (Nov. 1998). *Preparing future leaders: A model and strategies for fostering reflective thinking.* Paper presented at the Southern Regional Council on Educational Administration, Savannah, GA.
- Moallem, M., & Smith, R. (Sept. 1998). *Teachers as reflective practitioners: A conceptual framework for future teacher education programs.* Paper presented at the 16th Annual Fall Teacher Education Forum, Raleigh, NC.
- Kermani, H., & Moallem, M. (July 1998). *Curriculum reconstruction: A study on utilization of cross-age tutoring.* Paper presented at Head Start's Fourth National Research Conference, Washington, D.C.
- Moallem, M. (February 1998). *Reflection as means of developing expertise in problem-solving, decisions making and complex thinking.* Paper presented at the annual meeting of the Association for Educational Communication and Technology, St. Louis, MI.
- Earle, R., & Moallem, M. (February 1998). *Instructional Design and Teacher Thinking: Contextual Consideration.* Paper presented at the annual meeting of the Association for Educational Communication and Technology, St. Louis, MI.
- Kermani, H., & Moallem, M. (April 1998). *Peer vs. adult mediated learning: A study of the influence of ethnicity, gender, competence level, task variation and training on the quality of interaction.* Paper presented at the annual meeting of the National Consortium for Instruction and Cognition, San Diego, CA.
- Moallem, M., & Rizzo, S. (February 1997). *Instructional technologists at public school: A study of their future roles and responsibilities.* Paper presented at the annual meeting of the Association for Educational Communication and Technology, Albuquerque, NM.
- Moallem, M., & Applefield, J. (February 1997). *Instructional systems design and pre-service teachers' processes of thinking, teaching, and planning: What do they learn and how do they change?* Paper presented at the annual meeting of the Association for Educational Communication and Technology, Albuquerque, NM.
- Kermani, H., & Moallem, M. (April 1997). *Cross-age tutoring: Exploring features and processes of peer-mediated learning.* Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Moallem, M. (February 1996). *Instructional design models and teacher thinking research: Toward a new conceptual model.* Paper presented at the annual meeting of the Association for Educational Communication and Technology, Indianapolis, IN.
- Moallem, M., Mory, E. H., & Rizzo, S. (February 1996). *Technology resource teacher: Is this a new role for instructional technologist?* Paper presented at the annual meeting of the Association for Educational Communication and Technology, Indianapolis, IN.
- Moallem, A., & Moallem, M. (July 1996). *A method of education, training, and evaluation for the specialized vocational training institutions with mentally disabled individuals in France.* Paper presented at the annual meeting of the International Association for the Scientific Study of Intellectual Disability, 10th World Congress, Helsinki, Finland.
- Moallem, M. (February 1995). *Solving educational problems: Learn from the reality of innovations in developing countries.* Paper presented at the annual meeting of the Association for Educational Communication and Technology, Anaheim, CA.
- Moallem, M. (April 1995). *Analysis of job announcements and required competencies for instructional technology professionals.* Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

- Moallem, M. (April 1995). *The nature and content of reflective practice: A case of an expert science teacher*. Paper presented at the annual meeting of the National Consortium for Instruction and Cognition, San Francisco, CA.
- Kirby, E., Moallem, M., & Hill, J. K. (February 1994). *Instructional technology: A look at academic requirements*. Paper presented at the annual meeting of the Association for Educational Communication and Technology, Nashville, TN.
- Moallem, M. (February 1994). AECT Special Research Award Presentation: *An experienced teacher's model of thinking and teaching*. Paper presented at the annual meeting of the Association for Educational Communication and Technology, Nashville, TN.
- Moallem, M., & Driscoll, M. (April 1994). *On the social construction of an experienced teacher*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Moallem, M. (April 1994). *An experienced teacher's model of thinking and teaching: An ethnographic research on teacher cognition*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

Other Presentations

Invited Presentation/Lectures/Workshops/Seminars

- Moallem, M. (April 2021, invited presentation). *Sharing CSTA resources: Aligning resources to your plan for designing K-8 CS teacher education programs*, Paper presented at MCCE 2021 Summit. Online.
- Moallem, M., & Li, Q. (April 2021, invited presentation). *The role of after-school programs: Building internal expertise and connect with underrepresented groups*, Paper presented at MCCE 2021 Summit. Online.
- Moallem, M. (March 2021, invited panelist). *Online Education Post Pandemic: Challenges and Opportunities*. Virtual 4th National Symposium on Society & Education, The Institute of Educational, Psychological and Social Research, Kharazmi University, Tehran.
- Moallem, M. (April 2020, Invited Webinar presentation). Higher-Order Thinking Assessment in Online Learning. Iranian Association Educational Technology, (IAET).
- Moallem, M. (Feb. 22nd, 2017, Keynote Speech). Taking a Better Look at Blended Learning: Finding Balance, Keynote Speech was delivered through online video conferencing system, presented at 11th Conference on Iran's Electronic Learning (<http://icelet2017.pnu.ac.ir/>), Feb. 22nd, 2017, Tehran, Iran.
- Moallem, M. (Sept. 9th, 2016). An invited symposium speaker entitled: The Design and Representation of ILL-Structured Problems in PBL). *Problem-Based Learning: What do Students Learn from it?* The speech was delivered at Problem-Based Learning (PBL) 2016 conference, São Paula, Brazil, Sept. 8 to 10, 2016. International
- Moallem, M. (April 22nd, 2015). "Grant Seeking in Higher Education" CTE panel was conducted on Wednesday, from 2-4 PM in Fisher Student Center, Wrightsville Beach Room 2017. Local
- Moallem, M. (Nov. 4th, 2014). "Grading: Less Time, Greater Impact" CTE panel was conducted on Tuesday, from 12:30-1:30 PM in Fisher Student Center, Sunset Beach Room 1025. Local
- Moallem, M. (Feb. 2013). *Education of Women and Girls in Iran: Should We Believe What We Hear?* Women on Wednesday (WOW) OLLI program for the 2013 spring semester. Local
- Moallem, M. (Feb. 12, 2013). *Grants Activities in Watson College of Education*. Watson College of Education, PDS, Superintendent Seminar. Local
- Moallem, M. (March 14, 2013). *Grant Writing Basics: Securing Funding for your Classroom and/or School Projects*. Watson College of Education, PDS, Professional Learning Day. Local
- Moallem, M & Martin, F. (Feb. 2013). Presentation to the MIT Advisory Board members. Watson College of Education. Local

- Moallem, M., Morge, S., Narayan, S. & Hoskins, J. (April 2011). *Integrating problem-based learning and Squeak Etoys to teaching mathematics and science*, two sessions (2 hours each) Workshop for Teaching Fellows, Watson School of Education, UNCW. International
- Moallem, M. (Oct. 2007). *Persepolis: Thoughts, reflection & discussion*. UNCW, Randall Library, Book Club, Wilmington, NC. Local
- Moallem, M. (April 2007). *The future of Distance Education*. National Science Foundation, Distance Education Group, Arlington, VA. National
- Moallem, M. (Dec. 2005). *Applying learning styles in design, development, and evaluation of instruction*. National Pingtung University. Pingtung, Taiwan. International
- Moallem, M. (Dec. 2005). *Virtual Communities, National Taichung University*, Taichung City, Taiwan. International
- Moallem, M. Kermani H., & Chen, SJ (Dec. 2005). *Preparing manuscripts for publication in international journals*. National Taichung University. Taichung City, Taiwan. International
- Moallem, M. (Aug. 2005). *From learning theory to instructional theory*, A 3-hour online workshop was delivered to faculty, staff and graduate students at Tartu University. Estonia, Horizon Wimba Virtual Room. International
- Moallem, M. (Aug. 2005). *Using handheld computers to improve learning and instruction*, a 3-hour online workshop was delivered to deliver to faculty, staff and graduate students at Tartu University. Estonia. Horizon Wimba Virtual Room. Local
- Moallem, M. (Dec. 7-dec. 17, 2003). *Instructional systems design. A series of 7 lectures were delivered to Educational Technology Master's students in Shanghai International Studies University*, Shanghai, China. International
- Moallem, M. (Dec. 10). *Understanding learning differences: Learning and thinking styles*. A 3-hours lecture was delivered to undergraduate students in School of Journalism and Communications at Shanghai International Studies University. Shanghai, China. International
- Moallem, M. (Dec. 10). *Educational/Instructional Technology Programs in the US and UNCW*. The lecture was delivered to undergraduate students in Educational Technology Program at Shanghai International Studies University. Shanghai, China. International
- Moallem, M. (July 2000). *The role of computer technology and instructional media in education*. The speech was delivered in Educational Technology Center. Tehran, Iran. International
- Kermani, H. & Moallem, M. (January 1999). *Curriculum reconstruction: a study on utilization of cross-age tutoring*. Paper presented at Cape Fear PHI DELTA KAPPA. Wilmington, NC. Local
- Moallem, M. (February 1998). *Teacher research: What? Who? Why? And how?* Watson School of Education, Wilmington, NC. Local
- Moallem, M. (March 1998). *Instructional technology masters program*. The program summary was presented to the representatives of the Wilmington community. Local
- Moallem, M. (April 1995). *The role of women in the education of developing countries*. San Francisco State University. Guest Speaker. National
- Moallem, M. (November 1994). *Reflective thinking and leadership: Research and practice*. Presentation made at the Regional Conference for Leaders, New Bern, NC. Local.

Professional Service Activities

Professional Consultancies

- Fall 2017-
Summer 2018
Spring-Fall
2017
Fall 2014-Sum
2015
Fall 2012-
spring 2013
Fall 2011 to
Spring 2012
Fall 2011
Spring 2011
Fall 2010 &
Spring 2011
Spring 2011
Summer 2003
Spring 2004 &
2003
Summer 2004,
2003, & 2002
Year 2000-
2001
Spring 2000
Summer 2000
Summer 1995
Summer 1994
- Serving as a consultant on Grant funded by NICHD on "Parent-Teen Communication to Resist Unhealthy Media Messages," innovation Research Training (IRT).
Consultant for Grant funded by NICHD on *Parent-Teen Communication to Resist Unhealthy Media Messages*, innovation Research Training (IRT).
Consultant for Grant funded by National Heart, Lung, and Blood Institute (NHLBI) on **Phase I SBIR**, innovation Research Training (IRT).
Consultant for Grant funded by *National Institute on Drug Abuse (NIDA)*, **the Media Detective Family project**, innovation Research Training (IRT).
Consultant for Grant funded by National Institute of Health, *National Institute on Alcohol Abuse and Alcoholism (NIH-NIAAA)*, for Creation & Evaluation of an online mindfulness-based course for **Adolescents with Fetal Alcohol Spectrum Disorder ("FASD")**, innovation Research Training (IRT).
Consultant for Grant funded by *National Institute of Health*, for creation and Evaluation of a blended course in **Media Detective Family**, innovation Research Training (IRT).
Consultant in Grant funded by *National Institute of Health*, **Media Literacy Education for Reproductive Health in First Year College**, innovation Research Training (IRT).
Consultant for Grant funded by *National Institute of Health*, **Mentoring Central, A Web-Based Mentor Training Program**, innovation Research Training (IRT).
Consulting with PDS, WSE on "assisting faculty in their design and development of self-directed online mini-courses" March 2011 to Aug. 2011.
Consultant in **developing online assessment materials** for UNC Office of the President's web site. Worked as a consultant with the Office of the UNC President (1) to develop online assessment resource materials for UNC Teaching & Learning with Technology, and (2) to develop a template for case study reports for UNC Teaching & Learning with Technology.
Reviewer of Annual **Grant Reports for Comprehensive School Reform**, State of North Carolina. I was part of a team of four reviewers. We reviewed about 80 reports each year. In addition to completing the evaluation form for each report, we met as a team to discuss each report and to come to a consensus.
Reviewer of **Comprehensive School Reform Grant Proposals for State of North Carolina**. I was part of a team of four reviewers. We reviewed more than 80 grant proposals each year. In addition to completing the evaluation forms for each grant proposal, we met as a team to discuss each proposal and to come to a consensus. A limited number of well-developed grants were to be selected each year.
Member of **a team of evaluators** for a federally funded evaluation **grant to assess NC schools funded by Comprehensive School Reform Grant**. During my term, as a member of this evaluation team, I visited a number of schools and spent a minimum of two days in each school to gather data, to assess the implementation process and to evaluate the outcome results. I also participated in writing a short report for each school.
Consultant to North Carolina Teach (NCTeach) for **developing training modules**. I worked with a team and was responsible for designing and developing several modules with proper materials for instructors and students.
Coordinator for the Watson School of Education summer initiative effort **on Classroom assessment**. My responsibility was to lead a team of faculty members to develop strategies and proposals for improving assessment of learning.
Consultant to Syndicate National des Associations des Parents de Enfants Inadaptés (SNAPEI) for **generating complete curriculum and training materials** for mentally disabled children and adults in France (Phase IV).
Consultant to Syndicate National des Associations de Parents des Enfants Inadaptés (SNAPEI) for **developing outcome based curriculum** for mentally disabled children in France (Phase III).

Book & Grant Reviews

Invited Reviewer for **four submitted chapters** for an edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2017*." Jan. 2017.

Invited Reviewer for **four submitted chapters** for an edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2016.*" Nov. 2015.

Invited to review **the final draft of the book entitled** "*The Roskilde Model: Problem-Oriented Learning and Project Work*, edited by *Anders Siig Andersen and Simon B. Heilelsen* for 2014. **The book consisted of 17 chapters and six parts** Feb. 2014.

Invited Reviewer for **three submitted chapters** for an edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2012.*" Nov. 2014.

Invited Reviewer for **four submitted chapters** for an edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2012.*" Nov. 2013.

Invited Reviewer for **four submitted chapters** for an edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2012.*" Nov. 2012.

Invited Reviewer for **four submitted chapters** for an edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2012.*" Dec. 2011.

Invited reviewer for **seven submitted chapters** for the AACE edited book entitled "*Research Highlights in Technology and Teacher Education 2011*" for 2011 publication. I was responsible for Reviewing four chapters for the book. Dec. 2010

Invited reviewer for **six submitted chapters** for the edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2010.*" Dec. 2009.

Invited reviewer for *Shastri Indo-Canadian Institute: Partnership Development Seed Grant*, 2008-2009.

Invited reviewer for **six submitted chapters** for the edited book by SITE entitled "*Research Highlights in Technology and Teacher Education 2009.*" Nov. 2008.

Invited reviewer for **three submitted book chapters** for the book manuscript "*Managing Digital Diversity: Socio-Technological Perspectives.*" April 2008.

Reviewed the textbook "*The World Wide Web in the Classroom: Meeting Content and Technology Standards Through the Use of Web-Based Projects*" for Corwin Press Publishing Company. Sept. 2003.

Reviewed and compared two assessment textbooks "*Classroom Assessment*" and "*Assessment in Classroom*" for McGraw-Hill Publishing Company. April 2003.

Reviewed the textbook "*Designing Effective Instruction*" Third Edition manuscript (400 pages) for John Wiley & Sons Publishing Company, 2000.

Reviewed "*Instructional Design for K-12 Education*" textbook for Merrill Prentice Hall Publishing company, 2000.

Reviewed the book prospectus "*Instructional Design*" for Merrill Prentice Hall Publishing Company, \March, 2000.

Reviewed a research project on "*Assessment Issues*" for SERVE Publisher, March 2000.

Reviewed the book prospectus "*Decision Making in Teaching and Learning*" for Allyn & Bacon Publishing Company, 1996.

External Examiner & Proposal Reviews for Professional Conferences:

External reviewer for promotion to full professor for a faculty in the Department of Curriculum and Teaching at AL- al-Bayt University, Jordan. Due End of June 2021.

Book proposal **review** entitled "Data Analytics and Adaptive Learning: Research Perspectives" for Routledge Publisher. Completed the review on June 14, 2021.

A **virtual panel reviewer for National Science Foundation**. Due to protecting confidentially, I cannot disclose which division (over a month for reviewing the proposals and participation on two days of a panel discussion on March 21 and 23, 2021). Paid honorarium.

Grant **reviewer for a grant proposal** submitted to Ministry of Education Tertiary Education Research Fund Projects, Singapore. Completed my review on Sept. 16. Paid honorarium.

External reviewer for promotion to full professor of Dean School of Education and Modern Languages (SEML)/Associate professor, UNIVERSITI UTARA MALAYSIA.

Proposal reviewer for "*Association for Educational Communication and Technology (AECT)*" Conferences. 1993 to present (20 years).

Proposal reviewer for "*American Educational Research Association (AERA)*." I have served as proposal reviewers in a number of divisions within the organization. Served in five different divisions (Division K, Division C; Division A; Instructional Technology SIG, and Problem-based Learning SIG) every year since 1993 to present (20 years).

Proposal Reviewer for EDUCAUSE Annual Conference program. 2009-present

Proposal Reviewer for the Society for Information Technology and Teacher Education International (SITE) Conference program. 2008-present

Proposal Reviewer for the EDUCAUSE Southeast Regional Conference (SERC) program, 2008.

Proposal Reviewer for NC Teaching and Learning with Technology (TLT) Conference. 2004-2008.

Proposal reviewer for the 2004 annual conference in International Conference on Advanced Learning Technologies (ICLAT), spring 2004.

Proposal reviewer for the 2004 annual conference of Society for Information Technology and Teacher Education International, Fall, 2003.

Service to Professional or Scholarly Organizations

Moallem, M. (May 2015-May 2016). ***Program Chair-Elect***, *American Educational Research Association*, Cognition, and Assessment SIG. **(National/International)**

Moallem, M. (June 2012- May 2015). ***President-Elect***, *American Educational Research Association*, Problem-Based Learning (PBL) SIG. **(National/International)**

Moallem, M. (April 2013). *Discussant for the Paper Session titled, "Instructional Technology SIG: Paper Session: Designing, Assessing, and moderating online learning,"* at the 2013 AERA Annual Meeting in San Francisco, California, April 27-May 1. **(National/International)**

Moallem, M. (April 2013). Chair, the Paper Session, titled, "Investigating Motivation in Problem-Based Learning" at the 2013 AERA Annual Meeting in San Francisco, California, April 27-May 1.

Moallem, M. (April 2012). ***Discussant for the Paper Session titled, "SIG-IT: Explorations of Professional Development and Other Factors that Impact Teacher Learning and Technology Integration,"*** at the 2012 AERA Annual Meeting in Vancouver, British Columbia, Canada. **(National/International)**

Moallem, M. (April 2012). ***Chair, the Roundtable Session, titled, "SIG-IT: Online learning, mobile learning, and technology-enhanced learning"*** at the 2012 AERA Annual Meeting in Vancouver, British Columbia, Canada. **(National/International)**

Moallem, M. (April 2011). ***Discussant for a paper present session entitled: Issues in Higher Education,*** at the 2010 AERA Annual Meeting in New Orleans, Louisiana, April 8 – 12. Reviewed and discussed four papers. **(National/International)**

- Moallem, M., (April 13, 2009). American Educational Research Association, "**Discussant** for five research papers presented in *Technology and Learning in P-12 Education* paper session sponsored by SIG-Instructional Technology," AERA, San Diego, CA. **(National/International)**
- Moallem, M., Chen, S. J., & Kermani, H. (Oct. 2004). *Using handheld computers to improve assessment and instruction*. A **1/2-day workshop** conducted by the Association for Educational Communication and Technology (AECT). Chicago, IL. **(National/International)**
- Moallem, M., Chen, S.J., & Kermani, H. (March 2004). *Using handheld computers to improve assessment and instruction*. A **1/2-day workshop** was conducted at the Society for Information Technology and Teacher Education International Conference. Atlanta, GA. **(National/International)**
- Moallem, M. Kermani, H., & Chen, S.J. (Dec. 2003). *Using Handheld Computers to Apply Principles of Effective Instruction*. **The 3-hour Tutorial** will be conducted at the annual meeting of the International Conference on Computers in Education, Hong Kong, China. **(International)**
- Moallem, M., Kermani, H. Jolly, J. & Chen, S.J. (April 2003). *Using Handheld Computers to Apply Principles of Effective Instruction*. A **half a day workshop** conducted at the 2003 UNC Teaching and Learning with Technology Conference, Greensboro, NC. **(Regional)**
- Zahner, J. Moallem, M., & Ley, L. (Aug. 2002). *DOG show: Designing Online Groups for Collaboration, Cooperation, and Communication*. A **three hours pre-conference workshop** conducted at the Annual Conference on Distance Teaching and Learning, Madison, Wisconsin. **(National)**

Service to TU University, College and Community

Service to TU University

2020-2021

- *IICT (Information and Instructional Technology Committee) (Fall 2020-spring of 2022).*
- *Council of Chairs (COC) 2018-present.*
- *Intellectual Property Policy Committee (2019-2021).*
- *eTU Council (Fall of 2020 to spring of 2023).*
- *Asian Faculty and Staff Association (2019-present):*

2019-2020

- Member, Academic Committee for Technology (ACT)
- *Intellectual Property Policy Committee*
- Member, Chair Council, TU
- University Assessment Council, Chair Council representative
- Member of Search Committee for Proposal Development Manager position,
- Member Asian Faculty and Staff Association

2018-2020

- Member, Working Group of the Computer Science Teachers Association (CSTA)
- Member, Chair Council, TU
- Member, Academic Committee for Technology (ACT)
- University Assessment Council, Chair Council representative
- Member of Search Committee for Proposal Development Manager position,
- Member Asian Faculty and Staff Association

Service to College of Education

- Member, COE Leadership Team (2018-present)

Service to Community

- *CSTA (2019-present. Member of CSTA workgroup to review CS standards for teachers and develop resource materials.*
- *MCCE-Computational Thinking (2019-present). MD-CS group led by Dr. Garvin in 2019.*