

ROBERT POWER*BA, Dipl (JCA), BEd, MEd (IT), EdD*

Instructional Developer

Advanced Learning Technologies Center

Center for Teaching, Learning and Educational
Innovation, College of the North Atlantic-Qatar

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Mailing Address (Qatar): PO Box 24449, Doha, Qatar

EDUCATION**2015 EdD, Distance Education**

Athabasca University, Athabasca, AB, Canada

Thesis: Power, R. (2015). *A framework for promoting teacher self-efficacy with mobile reusable learning objects* (Doctoral dissertation, Athabasca University). Available from <http://hdl.handle.net/10791/63>

Supervisor: Dr. Mohamed Ally

2003 Master of Education, Information Technology

Memorial University of Newfoundland, St. John's, NL, Canada

Thesis: Power, R. (2003). Broadband in teaching and learning in Newfoundland and Labrador. *Education 6590: Research Seminar in Education*. Memorial University of Newfoundland.

Supervisor: Dr. Bruce Sheppard

2001 Bachelor of Education, Intermediate / Secondary

Memorial University of Newfoundland, St. John's, NL, Canada

1997 Honours Diploma, Journalism / Communications Arts

Lawrence College, St. John's, NL, Canada

1996 Bachelor of Arts, English / History

Memorial University of Newfoundland, St. John's, NL, Canada

AWARDS2014 Graduate Student Research Fund, \$1268
Athabasca University, Athabasca, AB, Canada2014 Graduate Student Dissemination Fund, \$1991
Athabasca University, Athabasca, AB, Canada2000 Named to the Dean's List, Faculty of Education
Memorial University of Newfoundland, St. John's, NL, Canada1993 Dr. M.O. Morgan Entrance Scholarship
Memorial University of Newfoundland, St. John's, NL, Canada

PROFESSIONAL EXPERIENCE

- 2013 – Instructional Developer**
College of the North Atlantic-Qatar
- Work with course instructors and subject matter experts to develop online content for blended learning environments using College of the North Atlantic-Qatar's Desire2Learn (D2L) learning management system.
- 2005 – 2013 Information Technology Instructor and ICDL Training & Testing Centre Coordinator**
College of the North Atlantic-Qatar
- Instructed courses in application software, operating systems, Internet applications development, computer hardware and troubleshooting. Facilitated accreditation and coordination of the ICDL Training and Testing Centre. Provided professional development courses in IT skills for faculty, support staff and clients from outside corporations and state-governed K-12 schools.
- 2003 – 2005 Technology / Learning Resources Teacher**
John Burke High School, Eastern School District of Newfoundland and Labrador
- Instructed courses in technology. Administered school computer network. Managed Learning Resources Centre. Provided IT and learning resource support to teachers.
- 2001 – 2002 English / Learning Resources Teacher**
Jane Collins Academy, Lewisporte-Gander School District
- Instructed English and Business Communications courses. Managed Learning Resources Centre. Provided learning resource guidance and support to teachers.
- 1997 – 2001 Newswriter/Broadcast Journalist**
Steele Communications/VOCM Radio
- Conducted interviews and wrote news stories for on-air broadcast on VOCM News. Read on-air news broadcasts. Performed on-the-spot news coverage. Formatted and uploaded news stories for the VOCM News website.

RESEARCH EXPERIENCE

2014 – 2015 **Lead Researcher (Doctoral Candidate)**
Athabasca University, Athabasca, AB, Canada

Lead researcher for the doctoral dissertation research project *A framework for promoting teacher self-efficacy with mobile reusable learning objects*. Developed an online professional development course centred on using the Collaborative Situated Active Mobile (CSAM) learning design framework, and assessed the impact of participation in the course on teachers' perceptions of self-efficacy with mobile learning strategies.

2014 – **Research Assistant**
Athabasca University, Athabasca, AB, Canada

Research assistant for the *Mobile Learning* research project partnership between Athabasca University, Qatar University, Qatar Foundation, and Qatari industry. Responsibilities included liaising with appropriate administrative and instructional personnel at College of the North Atlantic-Qatar, and identification of appropriate student control and experimental groups for participation in portions of the research study data collection phase taking place on campus at College of the North Atlantic-Qatar. Responsibilities also included the facilitation of participant instructor and student briefing sessions, and the administration of pre and post-treatment assessments and follow-up surveys.

2012 **Lead Researcher**
College of the North Atlantic-Qatar, Doha, Qatar

Lead researcher for a mobile learning research project entitled *QR Cache: Assessing the feasibility of using Quick Response (QR) codes and mobile devices to help students master computer-related workplace English competencies*. Developed a set of mobile device compatible Reusable Learning Objects (RLOs) designed to cover content from the Hardware Components module of the TPP-MC-105 course. Prepared Research Ethics Committee and SEED Funding Committee applications. Prepared participant student and instructor feedback survey instruments. Primary responsibility for conducting data analysis and preparing final research report(s) and conference presentations. Supervision of student research assistant from the School of IT, College of the North Atlantic-Qatar.

2003 **Research Assistant and Online Facilitator**
Memorial University of Newfoundland, St. John's, NL, Canada

Assisted with interviews and facilitated video conference sessions in the Telesat Multimedia Satellite Trials for Schools project with the Faculty of Education. Assisted with the collation of data.

PROFESSIONAL ACADEMIC AND ADMINISTRATIVE EXPERIENCE

Professional Organizations

2013 – Executive Committee
International Association for Mobile Learning (IAmLearn)

Member-at-Large of the Executive Committee. Responsibilities include contributing to planning and policy for the Association's ongoing research and professional development initiatives in partnership with institutions and organizations from around the world. Responsibilities also include planning and policy related to the Association's annual mLearn conference series, as well as communications and promotion of the Association and of mobile and contextual learning research and practical implementation issues in general.

Conference Organization

2012 – 2013 12th World Conference on Mobile and Contextual Learning (mLearn 2013)
International Association for Mobile Learning and College of the North Atlantic-Qatar

Served as project manager and conference chair for the 12th annual global conference of the International Association for Mobile Learning (IAmLearn). Responsibilities included management of logistical conference arrangements, creation and management of the conference website, presentation proposal submission system, and conference registration system. Responsibilities also included the formation and chairing of the local conference planning committee, coordination of corporate conference sponsors, coordination of the vetting of presentation proposal submissions, and production and publication of the conference proceedings.

2012 – 2013 6th Annual Exploring ICT in Education Conference
College of the North Atlantic-Qatar, Doha, Qatar

Served as project manager for the 6th Annual Exploring ICT in Education Conference hosted by the School of Information Technology, College of the North Atlantic-Qatar. Responsibilities included management of logistical conference arrangements, creation and management of the conference website, presentation proposal submission systems, and conference registration system.

Institutional Committees

2014 – Mobile Learning Subcommittee
College of the North Atlantic-Qatar, Doha, Qatar

Serving as a member of the mobile learning subcommittee of the College of the North Atlantic-Qatar Strategic Planning Steering Committee. Responsibilities include researching current student mobile device usage trends and attitudes towards mobile device usage in learning, and proposing strategic initiatives for the integration of mobile learning strategies at College of the North Atlantic-Qatar, including initiatives for applied research, classroom practice, and faculty professional development.

2011 – SEED Program Adjudication Committee
College of the North Atlantic-Qatar, Doha, Qatar

Worked with other members of the SEED Program Adjudication Committee and the Office of Applied Research, College of the North Atlantic-Qatar. Responsibilities included the evaluation of applications from full-time faculty and staff of College of the North Atlantic-Qatar for permission to conduct research projects, and the determination of eligibility for funding from the SEED Program and the Qatar National Research Fund's Undergraduate Research Experience Program.

2009 – 2010 Learning Management Systems Steering Committee
College of the North Atlantic-Qatar, Doha, Qatar

Worked with other members of the Learning Management Systems Steering Committee to develop a report for the Vice President, Academic, and the Executive Committee, College of the North Atlantic-Qatar, on recommendations for the purpose, vision, and effective implementation of Learning Management Systems for the College.

Manuscript Reviewing

2014 – International Journal of Interactive Mobile Technologies (IJIM)
Peer review of paper submissions.

2014 13th World Conference on Mobile and Contextual Learning (mLearn 2014)
Peer review of paper submissions.

2013 – International Journal of Mobile and Blended Learning (IJMBL)
Guest editor for a special edition (Volume 6, Issue 4) dedicated to the 12th World Conference on Mobile and Contextual Learning (mLearn 2013). Peer review of paper submissions.

2013 – Learning and Teaching in Higher Education: Gulf Perspectives (LTHE: Gulf Perspectives)
Peer review of paper submissions.

2013 12th World Conference on Mobile and Contextual Learning (mLearn 2013)
Lead editor for conference proceedings. Peer review of paper submissions.

2011 – International Review of Research in Open and Distance Learning (IRRODL)
Peer review of paper submissions.

TEACHING EXPERIENCE

Information Technology Courses

(College of the North Atlantic-Qatar, 2005 - present)

- CP1280: Windows Client
- CP1310: Windows Server Administration
- CP1510: Windows Operating System
- CP1610: Introduction to Computer Components
- CP1910: Computer Hardware and Troubleshooting I
- CP2060: Operating System Fundamentals
- CP2190: Linux Operating System
- CR1260: Client Service for the Computer Industry
- CT1150: Introduction to Computers for Technology
- EP1140: Business Operations in Information Systems
- MC1050: Introduction to Computers
- MC1220: Productivity Tools I
- MC1221: Productivity Tools II
- MC1241: Computer Applications II
- MC1800: Software Applications I
- MC1801: Software Applications II
- MC1810: Fundamental Computer Applications
- MC1820: Computer Applications
- MC2220: Productivity Tools III
- SD1570: Effective Learning
- TPP-MC105: Introduction to Computers (Technical Preparatory Program – Qatar Petroleum)

Professional Development Courses

(College of the North Atlantic-Qatar, 2005 - present)

- International Computer Driver's License (ICDL) Core Certificate
- Information Technology Skills for the Workplace

Contract Training Courses

(College of the North Atlantic-Qatar, 2005 - present)

- International Computer Driver's License (ICDL) Core Certificate
 - Ministry of Finance, State of Qatar, Spring 2007
 - Served as instructional and testing coordinator
- International Computer Driver's License (ICDL) Core Certificate Testing
 - Qatar International School. State of Qatar, 2008-2009, 2009-2010
 - Served as testing coordinator for students and staff from Qatar International School
- CE-IT 1010: Using Interactive Whiteboards in the Curriculum
 - Supreme Education Council, State of Qatar, 2009-2010
 - Served as a program developer in collaboration with the Supreme Education Council of Information and Communication Technology, State of Qatar

- Served as an instructor working with teachers and support staff from state-governed K-12 schools.
- Digital Inclusion for Women Trainer Skills Workshop
 - Supreme Education Council of Information and Communications Technology (ictQATAR), 2012
 - Served as a program developer in collaboration with the Supreme Education Council of Information and Communications Technology, State of Qatar
 - Served as a content developer for the Digital Inclusion for Women community development program in collaboration with the Supreme Education Council of Information and Communications Technology, State of Qatar
 - Served as the Learning Management System course interface and content developer for the Trainer Skills Workshop program
 - Served as a face-to-face and online instructor working with trainers employed by local training companies in preparation for their delivery of the Digital Inclusion for Women community development program.

Intermediate/Secondary Courses:

(Eastern School District and Lewisporte-Gander School District, Province of Newfoundland and Labrador)

- Communications Technology 3400, John Burke High School, Grand Bank, NL (2003-2005)
- English 9, Jane Collins Academy, Hare Bay, NL (2001-2002)
- English 1202, Jane Collins Academy, Hare Bay, NL (2001-2002)
- English 2101: Research and Writing, Jane Collins Academy, Hare Bay, NL (2001-2002)
- English 2204: Canadian Literature, Jane Collins Academy, Hare Bay, NL (2001-2002)
- English 3102: Business English, Jane Collins Academy, Hare Bay, NL (2001-2002)
- Integrated Systems 1205, John Burke High School, Grand Bank, NL (2003-2005)
- Technology 8, John Burke High School, Grand Bank, NL (2003-2005)
- Technology 9, John Burke High School, Grand Bank, NL (2003-2005)
- Web Masters 3224, John Burke High School, Grand Bank, NL (2003-2005)

Massive Open Online Courses (MOOCs):

(Offered as an independent subject matter expert and instructional developer)

- Creating Mobile Reusable Learning Objects Using Collaborative Situated Active Mobile (CSAM) Learning Strategies (May-June 2014)
 - Online professional development course hosted on the Canvas open learning management system.
 - Course designed as part of EdD dissertation research project at Athabasca University, AB, Canada.
 - Participants included professional educators from Canada, the United States, and Qatar.
 - Served as subject matter expert, instructional developer and course facilitator.
- Instructional Design for Mobile Learning (ID4ML) (May-June 2015)
 - Online professional development course hosted on the Canvas open learning management system.
 - Course designed for open enrollment with an international target audience of professional educators.
 - Serving as subject matter expert, instructional developer, and course co-facilitator.

PUBLICATIONS

- Power, R. (2012). *QR Cache: Assessing the feasibility of using Quick Response (QR) codes and mobile devices to help students master computer-related workplace English competencies*. Available from <http://qr-cache.pbworks.com>
- Power, R. (2012). QR Cache: Connecting mLearning practice with theory. In M. Specht, M. Sharples & J. Miltisilta (Eds.). *Proceedings of the 11th Annual World Conference on Mobile and Contextual Learning (mLearn 2012) held in Helsinki, Finland, 16-18 October 2012* (pp. 346-349). Retrieved from <http://ceur-ws.org/Vol-955/>
- Power, R. (2013). Book review: Quinn, C. N. (2011), *The mobile academy. Learning and Teaching in Higher Education: Gulf Perspectives, 10(2)*. Retrieved from <http://lthe.zu.ac.ae/index.php/lthehome/article/view/150/69>
- Power, R. (2013). Collaborative situated active mobile (CSAM) learning strategies: A new perspective on effective mobile learning. *Learning and Teaching in Higher Education: Gulf Perspectives, 10(2)*. <http://lthe.zu.ac.ae/index.php/lthehome/article/view/137>
- Power, R. (2013). Leader-member exchange theory in higher and distance education. *The International Review of Research in Open and Distance Learning, 14(4)*. Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/1582>
- Power, R. (2013, June 19). Mobilizing the MOOC: A review of Instructional Design for Mobile Learning (IDML13). *MOOC News and Reviews*. Available from <http://mooconewsandreviews.com/mobilizing-the-mooc-review-of-instructional-design-for-mobile-learning-idml13/>
- Power, R. (Ed.), (2013). *QScience Proceedings: Vol. 2013, 12th World Conference on Mobile and Contextual Learning (mLearn 2013)*. Retrieved from <http://www.qscience.com/toc/qproc/2013/3>
- Power, R. (2013). Targeting FRAME: A new tool for mLearning design. *QScience Proceedings: Vol. 2013, 12th World Conference on Mobile and Contextual Learning (mLearn 2013)*, 34. DOI: 10.5339/qproc.2013.mlearn.34
- Power, R. (Ed). (2014). Special issue from the 12th World Conference on Mobile and Contextual Learning. *International Journal of Mobile and Blended Learning, 6(4)*. Available from <http://www.igi-global.com/ijmbl>
- Power, R. (2015). *A framework for promoting teacher self-efficacy with mobile reusable learning objects* (Doctoral dissertation, Athabasca University). Available from <http://hdl.handle.net/10791/63>
- Power, R., Cristol, D., & Gimbert, B. (2014). Exploring tools to promote teacher efficacy with mLearning. In M. Kalz, Y. Bayyurt, & M. Specht (Eds), *Mobile as a mainstream – Towards future challenges in mobile learning: Communications in Computer and Information Science Volume 479*, pp. 61-68. Available from http://link.springer.com/chapter/10.1007/978-3-319-13416-1_7

Power, R. & Murphy, E. (2004). Broadband in teaching and learning in Newfoundland and Labrador. *The Morning Watch* (Winter 2004). Available from <http://www.mun.ca/educ/faculty/mwatch/win04/murphypower.htm>

CONFERENCE WORKSHOPS AND PRESENTATIONS

Power, R. (2012, October). QR Cache: Linking mLearning theory to practice in Qatar. *Qatar Foundation Annual Research Forum Proceedings, 2012*(CSP31).DOI: 10.5339/qfarf.2012.CSP31. Retrieved from <http://www.qscience.com/doi/abs/10.5339/qfarf.2012.CSP31> (Download [Poster](#))

Power, R. (2013, April). *Collaborative Situated Active Mobile (CSAM) learning strategies: A new perspective on effective mobile learning*. Presentation at the Mobile Learning: Gulf Perspectives Research Symposium, April 25, 2013, Abu Dhabi, United Arab Emirates.

Power, R. (2013, April). *Creating your own mobile reusable learning objects for situated active mLearning*. Workshop presentation at the Technology in Higher Education 2013 (THE2013) conference, April 16-17, 2013, Doha, Qatar.

Power, R. (2013, September). *Creating mobile RLOs (reusable learning objects) using Collaborative Situated Active Mobile (CSAM) learning strategies*. Webinar presentation for participants in the University of British Columbia Master of Education program, Fall 2013.

Power, R. (2013, November). *Create your own mobile RLOs... and get your students doing it too!* Workshop presentation at Teaching with Technology 2013, 26-28 November, 2013, Clarenville, Newfoundland, Canada.

Power, R. (2014, April). *Future trends in mobile learning*. Guest lecture presentation for A World of Mobile Learning 2014, University of Western Australia, April 2014. Retrieved from <http://youtu.be/ZySfdhuGerE>

Power, R. (2014, May). *Framing instructional design for collaborative RLOs with the CSAM framework*. Presentation at the Advanced Distributed Learning Group's 2014 Interagency Mobile Learning Webinar Series, 20-22 May, 2014. Retrieved from <http://www.adlnet.gov/interagency-mobile-learning-webinar-series-2014/schedule/>

Power, R., Cristol, D., & Gimbert, B. (2014, November). *Using free tools and a pedagogical framework to promote teacher efficacy with mLearning*. Workshop presentation at the 13th World Conference on Mobile and Contextual Learning (mLearn 2014), 3-5 November, 2014, Istanbul, Turkey. Retrieved from <http://iamlearn.net/workshop-5-using-free-tools-and-a-pedagogical-framework-to-promote-teacher-efficacy-with-mlearning/>

GUEST LECTURER APPEARANCES

- 2015 Ohio State University
Guest lecturer for EDUTL 5226.
- 2014 Athabasca University
Guest lecturer for MDDE 623: *Introduction to Mobile Learning*.
- 2013 University of British Columbia
Guest lecturer for the *Introduction to Educational Technology* course.
- 2014 University of Western Australia
Guest lecturer appearance for the *A World of Mobile Learning* course.

OTHER PROFESSIONAL CERTIFICATIONS

Graduate Research Integrity Program (GRIP)

- Memorial University of Newfoundland, St. John's, NL, Canada

International Computer Driving License (ICDL)

- ICDL Core Certification (GCC 060 077613)
- ICDL Certified Training Professional (GCC C06 0165)
- ICDL Authorized Tester (GCC T06 00015)
- ICDL Authorized Training Centre and Test Centre Coordinator (GCC T06 00015)

Mada: Qatar Assistive Technology Center

- Document Accessibility training: Certificate of Participation, 12-13 May, 2014.
- Video Captioning training. Certificate of Participation, 14 May, 2014.
- Web and Mobile App Accessible Design and Usability training. Certificate of Participation, 20-15 May, 2014.

PROFESSIONAL MEMBERSHIPS

- International Association for Mobile Learning (IAmLearn), 2011-present
- Member of the Advanced Distributed Learning group's Mobile Learning Instructional Design Framework Working Group, 2014-present.

RESEARCH INTERESTS

- The use of mobile devices for the dissemination of learning materials, increasing collaboration between learners and instructors, and the facilitation of situated learning strategies
- The use of information and communication technology to increase academic collaboration between educators and students
- The effective use of information and communication technology to facilitate online and distributed learning
- The effective use of information and communication technology to enhance learning in the classroom

TEACHING INTERESTS

- Effective pedagogical approaches for the integration of mobile learning strategies
- Basic Information Communications Technology literacy skills
- Use of information and communication technologies to enhance teaching and learning
- Computer hardware and software applications maintenance and troubleshooting skills
- Website development for personal or academic communication

REFERENCES

- Ms. Paula Hayden, Chair, Centre for Teaching, Learning and Educational Innovation, College of the North Atlantic – Qatar, Doha, Qatar, +974-4495-2301 paula.hayden@cna-qatar.edu.qa
- Dr. Mohamed Ally, Professor, Center for Distance Education / Researcher, Technology Enhanced Knowledge Research Institute (TEKRI), Athabasca University, Athabasca, Alberta, Canada, 1-866-916-8650 mohameda@athabascau.ca
- Dr. Dean Cristol, Associate Professor, Department of Teaching and Learning, College of Education and Human Ecology, The Ohio State University, 419-995-9274 cristol.2@osu.edu
- Professor John Traxler, Professor of Mobile Learning, University of Wolverhampton, Wolverhampton, United Kingdom, +01902-328591, john.traxler@wlv.ac.uk
- Dr. Elizabeth Murphy, Associate Professor, Faculty of Education, Memorial University of Newfoundland, (709) 737-7634 emurphy@mun.ca