

Margaret Verkuyl NP:PHC MN
416.289-5000 x 81112
Centennial College
mverkuyl@centennialcollege.ca

Education

- 2011 Simulation Summer Institute Sim One
- 2010 Advanced Graduate Degree-Nurse Practitioner Program-PHC Athabasca University
- 2006 Master In Nursing (Generalist) Athabasca University
- 2006 Teacher of Adults Certificate Centennial College
- 2003 Bachelor of Nursing Degree (with distinction-Post RN) Athabasca University
- 2001 Nursing Leadership and Management McMaster University
- 2001 ACLS Instructor Ontario Heart and Stroke Society
- 2000 PALS Ontario Heart and Stroke Society
- 1999 ACLS Ontario Heart and Stroke Society
- 1995 Coronary Care Certificate Durham College
- 1994 Emergency Care Certificate Humbar College
- 1992 Physical Assessment Humbar College
- 1982 Registered Nurse-Diploma Durham College

EMPLOYMENT HISTORY:

- 2012-present Lawrence S Bloomberg Faculty of Nursing University of Toronto
Adjunct Lecturer
- 2012-present Access Alliance (NIWIC)
Nurse Practitioner-Primary Care
- 2005-present Centennial College
Nursing Professor Full time
Coordinator Collaborative Nursing Degree Program
Clinical and classroom professor for RPN & BScN
- 2011-2012 Brock Community Health Centre
Casual Nurse Practitioner Primary Care
- 1991-2010 Rouge Valley Health System
Staff/Resource Nurse in emergency, permanent charge nurse in pediatrics
ACLS instructor Casual, full time, part time, positions
- 1998-2005 Centennial College Professor
Contract for clinical and classroom professor for RPN and BScN students
- 1985-1991 Whitby General Hospital Staff Nurse
Part time medical/surgical unit, ICU/CCU, emergency
- 1982-1985 Whitby Psychiatric Hospital Staff Nurse

full time adolescent/adult psychiatry

AWARDS

- 2021 INACSL Hayden Vanguard Lectureship Sponsored by CAE Healthcare M. Verkuyl.
- 2019 Silver in the 2019 International Serious Play Awards. for Digital games in the professional category. Team: M. Verkuyl, N. Djafarova, O. St-Amant & J. Lapum.
- 2018 Learning Technologies Award. Best learning game-international Silver Winner. Ryerson University, George Brown College, Centennial College
- 2018 The GamiCon Gamification Project Throw Down Awards: Best Use of Narrative Ryerson, Centennial & George Brown College. Team: N. Djafarova, L. Zefi, D. Romaniuk, M. Verkuyl, P. Mastrilli
- 2018 Non-research article of the year. Clinical Simulation in Nursing. Article: An exploration of debriefing in virtual simulation, 13(11). Verkuyl, Lapum, Hughes, Romaniuk, Mastrilli, Betts, St-Amant, & McCulloch.
- 2018 International Nursing Association for Clinical Simulation and Learning (INACSL), Research Excellence Award. Team: Verkuyl, Lapum, Hughes, McCulloch, Mastrilli, St-Amant, Betts.
- 2018 Award for Excellence in Collaborative Education from Council of Ontario University Programs in Nursing (COUPN)
- 2017 Recipient, eCampus Ontario Technology Enabled Seminar + Showcase (TESS) Awards: Best in Show: Learner-Centred Outcomes (Margaret Verkuyl, Daria Romaniuk, Jennifer Lapum, Paula Mastrilli, Naza Djafarova)
- 2017 SHIRE Award for NPs Working in Mental Health
- 2017 Second place in the Academic Poster Category from INACSL Conference
- 2017 International Serious Play Awards Silver Medal from Serious Play
- 2016 Serious Gaming and Virtual Environments Best in the Show (Faculty Division) Runner up Award from IMSH conference
- 2015 3rd place in Life Science category in the Wharton-QS Stars Awards from Reimagine Education
- 2013 Apple Award Excellent in Teaching from Centennial College
- 2011 Apple Award Looking Beyond Outside the Box from Centennial College
- 2006 Joyce Pearson Bursary from Rouge Valley Health System

GRANTS (2010-present)

Team Works (IPE). P. Marten-Daniel, K. S. A'Court, H. Demeris, E. Hanna, M. Lowe, P. Mastrilli, T. Paulenko, S. Summers, **M. Verkuyl**. Immigration, Refugees and Citizenship Canada. Award 60,000.

Transitions in Care: Virtual Gaming Simulation (2019). Project Lead: **M. Verkuyl** & O. St-Amant. Team Members: E. Reisdorfer, T. McCulloch, D. Gillis, D. MacEachern E. Santa Mina, J. Innis, E. Ziegler, S. Cherney, J. Tsui, T. Larcina & N. Djafarova. Ryerson University. Award 135,000.

Creation of an OER: The nurse's physical examination of the patient. (2019 (Dec, 2020).
Lapum, J., St-Amant, O., Savicevic, N., Garcia, W., Dimaranan, F., Pemasani, M., Hughes, M., Verkuyl, M., & Petrie, P. Ryerson University Library OER Grants. \$10,000.

SCHS Virtual Hospital (2018-19). Verkuyl, M. Ministry of Advanced Education and Skills, Career Ready Fund, \$74,724.

Vital Sign Measurement Across the Lifespan: Open Textbook Adaptation (2017-2018).
Lapum, J., Verkuyl, M., Garcia, W., St-Amant, O., Tan, A., & Freeman, W. eCampusOntario, Ministry of Training, Colleges and Universities. \$14,953.20.

On-Line Modules with Virtual Gaming Simulation: The Essentials of Maternal and Newborn Assessment in Nursing, 2016-2018. Project Lead: J. Lapum Team Members: **M.Verkuyl**, M. Hughes, P. Mastrilli, N. Djafarova, D. Romaniuk, St-Amant, B, Nikaiin, L, Betts. eCampus Ontario Ministry for Training, Colleges and Universities 2016-2018: \$97,850.

Controlled Drugs and Substances: Virtual Gaming Simulation (2017). Project Lead: **M. Verkuyl** Team Members: D. Romaniuk, N. Djafarova. Canadian Association Schools of Nursing. Award 25,000.00

Therapeutic Communication and Mental health Assessment: Knowledge and practice Virtual simulation, 2014-5. Project Lead: D. Romaniuk. Team Members: **M.Verkuyl**, P. Mastrilli, N. Djafarova O. Ministry for Training, Colleges and Universities Ontario's Shared Online Course Fund 2014-2015: \$37037.

The development of Simulation-Gaming to Enhance Interactive Learning Part of the development team (2013-5). Project Lead: P. Mastrilli. Members: L. Cordero, J. Schmid, **M.Verkuyl**, D. Romaniuk, D. D'Annunzio, G. Garvey, S. Chu, L. Zefi, I. Emilianov, D. Novikov. The G. Raymond Chang School of Continuing Education: Innovation Award \$20,000.

FUNDED RESEARCH (2010-present)

Testing the impact of self-debrief in In-person Simulation: A mixed methods study 2019.
Principle Investigator: M. Verkuyl, Team Members: K. Mack, T. Larcina, L. Atack. Applied Research & Innovation Fellowship, Centennial College: \$16,175.

Engagement assessment of healthcare students using a vital signs etextbook. 2019-2020.
Principal investigator: **Verkuyl, M.** Co-investigators: Hughes, M., St-Amant,O., Lapum, J. Centennial College SoLT grant. \$1,462.50.

Testing the impact of three virtual gaming simulation debriefing methods on students' knowledge and debriefing experience. 2018. Principle Investigator: M. Verkuyl, Team Members: J. Lapum, L. Atack, M. Hughes, P. Mastrilli, D. Romaniuk, T. McCulloch. Applied Research & Innovation Fellowship, Centennial College: \$19,817.

Students experience using a vital signs etextbook 2018-2019. Principal investigator: Verkuyl, M. St-Amant,O., Lapum, J. Centennial College SoLT grant. \$1,487.50.

Understanding VS e-textbook as a pedagogical tool: Pilot study. 2018 -2019. Principal investigator: St-Amant,O., Lapum, J., **Verkuyl, M.** & Garcia, W. Faculty of Community Services seed grant. \$4099.

Experiences of Nursing Students Playing Virtual Gaming Simulations: A Focus Group Study 2018. Principle Investigator: **M. Verkuyl** Co-investigators: T. McCulloch, **N. McGee** J Tsui. Applied Research & Innovation Fellowship, Centennial College: \$10,000.

Technology enabled Learning in Virtual Gaming Simulating: Comparison of Debriefing Methods in Nursing Education, 2016-2018. Principal investigator **M.Verkuyl**: Team Members: J. Lapum, L. Attack, M. Hughes, P. Mastrilli, D. Romaniuk, L. Betts, T. McCulloch. eCampus Ontario Ministry for Training, Colleges and Universities 2016-2018: \$59,582.80.

Practical Design Guide for Simulation Game-Based Learning, 2016-2018. Project Lead: N.Djafarova Team Members: T. Bakes, **M.Verkuyl**, L.Zefi, O. Turetken, A. Ferworn, P. Mastrilli, D. Romaniuk, K. Bramesfeld. eCampus Ontario Ministry for Training, Colleges and Universities 2016-2018: \$95,942.00.

Virtual Simulation Home Visit for Nurses: A mixed method study on Bridging to University nursing students. Principal investigator: **M. Verkuyl**. Co-investigator: M. Hughes. SoLT \$842.00.

Virtual Gaming Simulation in Nursing Education: A Focus Group Study, 2016 Principal investigator: **M. Verkuyl**. Co-investigators: Hughes, M., Tsui, J., Betts, L., St-Amant, O., Lapum, J. Centennial College \$5,000.00.

Virtual Gaming Simulation of a Mental Health Assessment: A usability study, 2016. Principal investigator: **M. Verkuyl**, D. Romaniuk, & P. Mastrilli, (2016). STTI \$1,000.00

Randomized Control Study Comparing Human Patient Simulation to Virtual Avatars Simulation on Nursing Students, 2015. Principal Investigator: Subashini Sivaramalingam. Co-Investigators: L. Betts, **M. Verkuyl**, C. DaSilva. Teaching & Learning Grant: \$5,796.00

Virtual Clinical Gaming Simulation for Nursing Education: An Experiment, 2015 George Brown Applied Research Centre and Chang School of Continuing Education , Ryerson University. Principal investigator: **M. Verkuyl**. Co-investigators: L. Attack, P. Mastrilli, D. Romaniuk. ARIF \$12,541

Clinical Gaming Simulation for Nursing Education: A usability test, 2015 George Brown College Applied Research Centre. Principal investigator: **M. Verkuyl**. Co-investigators: L. Attack, P. Mastrilli, D. Romaniuk. George Brown College \$3,000.

Using the Think Aloud Approach in Health Assessment to Strengthen Undergraduate Nursing Students' Physical Assessment Skills, (2014). Principal investigator: **M. Verkuyl**, Co-investigators: M. Hughes, M. Fyfe, ARIF \$9,996.77.

PUBLICATIONS (2010-present)

Verkuyl, M., Richie, S., Cahuas, D., Rowland, C., Ndong, M. Larcina, T., & Mack, K., (2020). Exploring self plus group debriefing: A focus group study. *Journal of Clinical Simulation in Nursing* 43(C), 3-9. <https://doi.org/10.1016/j.ecns.2020.03.007>.

Verkuyl, M., Atack, L, Kamstra-Cooper, K. & Mastrilli, P. (2020). Virtual Gaming Simulation: An interview study of nurse educators. *Simulation & Gaming* (epub) 1 –13 <https://doi.org/10.1177/1046878120904399>

Verkuyl, M., Lapum, J.L., St-Amant, O., Hughes, M., Romaniuk, D. & McCulloch, T. (2020). Exploring debriefing combinations after a virtual simulation *Journal of Clinical Simulation in Nursing* 40(C), 36—42. <https://doi.org/10.1016/j.ecns.2019.12.002>

Verkuyl, M., St-Amant, O., Hughes, M., Lapum, J.L., & McCulloch, T., (2020). Combining self-debriefing and group debriefing in simulation. *Journal of Clinical Simulation in Nursing* 39(C). 41-44. <https://doi.org/10.1016/j.ecns.2019.11.001>

Verkuyl, M., Hughes, M., Atack, L., McCulloch, T., Lapum, J.L., Romaniuk, D. & St-Amant, O., (2019). Comparison of self-debriefing alone or in combination with group debrief. *Journal of Clinical Simulation in Nursing*, 37(C), 32-39. <https://doi.org/10.1016/j.ecns.2019.08.005>

Eliadis, M. & **Verkuyl, M.** (2019). Balancing the Budget in the Simulation Centre. *Journal of Clinical Simulation in Nursing*, 37(C), 14-17. <https://doi.org/10.1016/j.ecns.2019.06.005>. Ó2019

Lapum, J., St-Amant, O., **Verkuyl, M.,** Garcia, W., Tan, A., Freeman, W., & Savicevic, N. (2019). Designing open access, educational resources. *Quality of Advancement of Nursing Education*. 5(2), Article 7. Retrieved from: <https://qane-afi.casn.ca/journal/vol5/iss2/7/>

Verkuyl, M., Lapum, J., St-Amant, O., Hughes, M. & Mastrilli, P. (2019). Designing virtual gaming simulations. *Journal of Clinical Simulation in Nursing*, 32(C), 8-12. <https://doi.org/10.1016/j.ecns.2019.03.008>.

Verkuyl, M., McGee, N., McCulloch, T. Tsui, J.& Layard, B. (2019). Different Formats for Playing Virtual Gaming Simulations. *CIN* 37(5), 237-40. <https://doi.org/10.1097/CIN.0000000000000539>

- Verkuyl, M.,** Betts, L., Schmid, J., Sivaramalingam, S. (2019). Body Interact: A usability study. *Simulation & Gaming*, 50(2), 1-12. <https://doi.org/10.1177/1046878119844283>
- Verkuyl, M. & Hughes, M.** (2019). Virtual Gaming Simulation in Bridging Nursing Education: A mixed methods study. *Clinical Simulation in Nursing*, 29(C), 9-14. <https://doi.org/10.1016/j.ecns.2019.02.001>
- Betts, L., Schmid, J., Sivaramalingam, S. & **Verkuyl, M.** (2019). Using virtual interactive digital simulator to enhance simulation experiences for undergraduate nursing students. *Nursing Education Perspectives*. DOI: 10.1097/01.NEP.0000000000000472
- Verkuyl, M.** Hughes, M. & Fyfe, M. (2018). Using Think Aloud in Health Assessment: A mixed methods study. *Journal of Nursing Education*, 57(11):684-686 <https://doi.org/10.3928/01484834-20181022-10>
- Verkuyl, M.,** Lapum, L., St-Amant, O., Tan, A. & Garcia, W. (2018) Engaging nursing students in the production of open educational resources. *Nurse Education Today* 71, p.75-77. <https://doi.org/10.1016/j.nedt.2018.09.012>
- Lapum, J., **Verkuyl, M.,** Hughes, M., Romaniuk, D., McCulloch, T., Mastrilli, P (2018). Self-debriefing in virtual simulation. *Nurse Educator*. (epub ahead of print) DOI: 10.1097/NNE.0000000000000639
- Verkuyl, M.,** Lapum, J. L., Hughes, M., McCulloch, T., Liu, L., Mastrilli, P., Romaniuk, D. & Betts, L. (2018). Virtual Gaming Simulation: Exploring Self, Virtual and In-person Debriefing. *Clinical Simulation in Nursing*, 20, 7-14. <https://doi.org/10.1016/j.ecns.2018.04.006>.
- Verkuyl, M.,** Atack, L., McCulloch, T., Lui, L., Betts, L., Lapum, J.L., Hughes, M., Mastrilli, M. & Romaniuk, D. (2018). Comparison of Debriefing Methods Following a Virtual Simulation: An Experiment. *Journal of Clinical Simulation in Nursing*, 19, 1-7. Doi: 10.1016/j.ecns.2018.03.002
- Verkuyl, M.,** Romaniuk, D., & Mastrilli, P. (2018). Virtual Gaming Simulation of a Mental Health Assessment: A usability study. *Nurse Education in Practice*, 18(31), 83-87. doi:10.1016/j.nepr.2018.05.007
- Verkuyl, M.,** Lapum, J., St-Amant, O., Betts, L., Hughes, M. (2017). An Exploration of Debriefing in Virtual Simulation. *Journal of Clinical Simulation in Nursing*, 13(11), 591–594. DOI: <https://doi.org/10.1016/j.ecns.2017.08.002>
- Verkuyl, M. & Mastrilli, P.** (2017). Virtual Simulations in Nursing Education: A Scoping Review. *Journal of Nursing & Health Sciences* 3(2), 39-47.

Verkuyl, M., Hughes, M., Tsui, J., Betts, L., St-Amant, O., Lapum, J. (2017). Virtual Gaming Simulation in Nursing Education: A focus group study. *Journal of Nursing Education*, 56(5), 274-280. DOI: 10.3928/01484834-20170421-04

Verkuyl, M., Romaniuk, D., Atack, L., & Mastrilli, P. (2017). A virtual gaming simulation for pediatric nursing care: An experiment. *Journal of Clinical Simulation in Nursing*, 139(5), 238–244. DOI: 10.1016/j.ecns.2017.02.004

Verkuyl, M., Atack, L., Mastrilli, P., & Romaniuk, D. (2016). Virtual gaming to develop students' pediatric nursing skills: A usability test. *Nurse Education Today*, 46, 81-85. <http://dx.doi.org/10.1016/j.nedt.2016.08.024>

Verkuyl, M. (2014). Can Medical Professionals Make a Difference to Health Outcomes Through Short Term Medical Experiences, *Global Citizens Digest* Spring/Summer.

Verkuyl, M. (2011). Health Assessment Education in the Congo. *Global Citizens Digest* Spring/Summer.

Academic-Service

Partnership with the Centre for Addictions and Mental Health (CAMH)- Delivery of a 2 day Workshop and on-going support for Virtual Gaming Simulation development for use in an Addiction Counselling Educational program. Development of a pre workshop study package, a 2 day workshop, and providing Ad Hoc Mentorship in the Development Process. GBC Lead: Team: Lorraine Betts (GBC) and **M. Verkuyl** (Centennial College) Revenue: \$5,000

Creation of a Nursing Educators' Community of Learning for Virtual Simulation and Serious Gaming. Chair of the Steering Committee: **M. Verkuyl**

INVITED TALKS (2010-present)

Virtual Experiences in Nursing Education: Experiences of Canadian Nursing Faculty (May, 2020). Virtual Simulation Community of Learning, Webinar

Virtual Simulations: What are my debriefing options? (April 2020). Simulation Canada, Webinar

Debriefing Virtual Simulation: The Evidence and Recommendations (April, 2020). Invited Speaker: INASCL COVID-19 Mini Webinars Series.

Virtual Simulation Community of Learning (April, 2020). Invited Speaker: CASN Webinar.

The Art of Serious Game Design (Jan, 2020). *Invited Speaker Keynote:* Djafarova, N., **Verkuyl, M.** & Mastrilli, P. E21 Consortium's 2nd Edition. For Clinical Simulation & Learning. Ottawa, Ontario.

PANEL: Pre-Conference symposium on Virtual and Augmented Reality (June, 2019). Invited Speaker: INASCL Conference Phoenix, Arizona, USA.

Open Access Virtual Gaming Simulations for Nursing Education (Sept 2018). Invited Speaker Webinar: Verkuyl, M. International Nursing Association For Clinical Simulation & Learning.

Virtual Gaming Simulations: A review of the literature (Aug, 2018). Invited Speaker: **Verkuyl, M.**, McCulloch, T. & St-Amant, O. World Cities Conference. Ryerson University, Toronto, Ontario.

Creating Virtual Gaming Simulations: A process overview (June, 2018). Invited Speaker: Verkuyl, M. & Mastrilli, P. INASCL Pre-Conference. Toronto, Ontario.

Sim integration panel presentation at the SIM ONE (Dec, 2015). Invited Speaker: SIM-One, Toronto, Ontario.

PRESENTATIONS EXTERNAL(2010-present)

Is Self-Debrief Immediately After a Simulation Useful? (Nov 2019). Oral Presentation: **M. Verkuyl**, M. Hughes, J. Lapum, O. St-Amant, Romaniuk, D., McColluch. Simulation in Action. 2017 SIM Expo, Montreal, Quebec.

Come and Play the New Virtual Healthcare Experience. (Nov 2019). Oral Presentation: M. Verkuyl, Hughes, M., J. Lapum; O. St-Amant, Romaniuk, D., T. McColluch, T. Simulation in Action. 2017 SIM Expo, Montreal, Quebec.

PANEL: The Art of Serious Game Design Workshop (2019). Oral Presentation: Djafarova, N., Verkuyl, M., Turetken, O., Zefi, L., Dimitriadou, A., Mastrilli, P., Romaniuk, D. Canadian Game Studies Association Conference. Vancouver, BC, Canada.

Optimizing nursing students learning experience of virtual gaming simulation - A focus group study (May 2019). Oral Presentation: N. McGee, **M. Verkuyl**, T. McCulloch, J. Tsui and B.Layard (oral presentation). National Community Health Nursing Conference, New Brunswick,

Virtual Gaming Simulation: Virtual Hospital (Nov, 2018). Oral Presentation: **Verkuyl. M.** CE Heads of Nursing Conference. Mississauga, Ontario.

Virtual Gaming Simulations: A unique learning experience (Nov 2018). Oral Presentation: **Verkuyl, M.**, Lapum, J., Hughes, M., Romaniuk, D., Mastrilli, P., Betts, L., St. Amant, O., McCulloch, T., Tsui, J. & Djafarova, N. eCampuOntario Technology enabled seminar + showcase. Toronto, Ontario.

- The collaborative production of an interactive OER. (November, 2018).*** Oral Presentation: Lapum, J., **Verkuyl, M.**, St-Amant, O., Garcia, W., Tan, A., & Freeman, W. eCampusOntario Technology enabled seminar + showcase. Toronto, Ontario.
- The Art of Serious Game Design. (Nov, 2018).*** Oral Presentation: Djafarova, N., **Verkuyl, M.**, Turetken, O., Zefi, L., Dimitriadou, A., Mastrilli, P., Romaniuk, D. eCampusOntario Technology enabled seminar + showcase. Toronto, Ontario.
- How do multidisciplinary design teams benefit from an established Game Design Process? (May, 2018).*** Presentation: Djafarova, N., **Verkuyl, M.**, Turetken, O., Zefi, L., Dimitriadou, A., Mastrilli, P., Romaniuk, D. The Canadian Association for University Continuing Education. Halifax, Nova Scotia.
- The Art of Serious Game Design Project: A methodology and practical guide for serious game design within multidisciplinary teams (Oct, 2018).*** Oral Presentation: Djafarova, N., **Verkuyl, M.**, Turetken, O., Zefi, L., Dimitriadou, A., Mastrilli, P., Romaniuk, D. Meaningful Play. Michigan State University. Michigan, USA.
- A guide to The Art of Serious Game Design (2018).*** Oral Presentation: Djafarova, N., **Verkuyl, M.**, Turetken, O., Zefi, L., Dimitriadou, A., Mastrilli, P., Romaniuk, D. Online Learning 2018: Global Summit & EdTech Expo, Teaching & Learning in the Digital Age.
- Engaging Learners in Virtual Gaming Simulation in Nursing. (May, 2018).*** Oral Presentation: St-Amant, O., Verkuyl, M., Hughes, M., Lapum, J., Nikaiin, B., Mastrilli, P., Romaniuk, D., Betts, L., Wood, C., & Djafarova, N. Ryerson University Learning and Teaching Conference. Toronto, Ontario.
- Designing open access, online interactive textbooks. (May 17, 2018).*** Oral Presentation: Lapum, J., Verkuyl, M., St-Amant, O., Garcia, W., Tan, A., & Freeman, W. Ryerson University Learning & Teaching Conference, Toronto, Ontario
- Experiencing a Prenatal Assessment (Jan, 2018).*** Games Showcase: Presentation: Verkuyl, M., Lapum, J., St-Amant, O. 18th International Meeting on Simulation in Healthcare, Las Angeles, California.
- Exploring Debriefing Methods in Virtual Gaming Simulation (Jan, 2018).*** Poster: Verkuyl, M., Atack L., McCulloch, T., Lui, L., Betts, L., Lapum, J.L., Hughes, M., Mastrilli, M. & Romaniuk, D. 18th International Meeting on Simulation in Healthcare, Las Angeles, California.
- La conception et la mise en oeuvre d'un jeu de simulation virtuelle comme une activité de préparation pré-simulation pour les étudiants dans un programme de baccalauréat en sciences infirmières dans un contexte francophone. (Nov, 2017).*** Poster: Lalonde, M., Tyerman, J., Luctkar-Flude, M., Tregunno, D., McParland, T., Peachey, L., Chumbley, L., Egan, R., Verkuyl, M., & Mastrilli, P. Ontario Simulation Exposition 2017, Toronto, Ontario.

Designing and implementing a serious virtual simulation game as a presimulation preparation activity for a live respiratory distress simulation for nursing students. (Nov, 2017).

Poster: Luctkar-Flude, M., Tregunno, D., Tyerman, J., McParland, T., Peachey, L., Lalonde, M., Egan, R., Chumbley, L., Collins, L., Verkuyl, M., & Mastrilli, P. Abstract Ontario Simulation Exposition 2017, Toronto, Ontario.

Developing serious virtual games to be used as pre-simulation preparation within healthcare education. (Nov, 2017).

Presentation: Tyerman, J., Luctkar-Flude, M., Tregunno, D., McParland, T., Peachey, L., Lalonde, M., Chumbley, L., Egan, R., Verkuyl, M., & Mastrilli, P. Ontario Simulation Exposition 2017, Toronto, Ontario.

Designing and implementing a serious virtual simulation game focusing on the de-escalation of the angry patient as a full game and as a presimulation preparation activity for undergraduate nursing students. (Nov, 2017).

Poster: Tyerman, J., Luctkar-Flude, M., Tregunno, D., Chumbley, L., McParland, T., Peachey, L., Lalonde, M., Egan, R., Collins, L., Verkuyl, M., & Mastrilli, P. Ontario Simulation Exposition 2017, Toronto, Ontario.

Sustainability in simulation education: The creation and evolution of a simulation alliance.

(Nov. 2017). Poster: McParland, T., Tyerman, J., Luctkar-Flude, M., Peachey, L., Tregunno, D., Graham, L., & Lalonde, M. Ontario Simulation Exposition 2017, Toronto, Ontario.

Peer review in simulation education: More than a check box. (Nov 2017).

Poster: McParland, T., Peachey, L., Luctkar-Flude, M., Tregunno, D., Tyerman, J., Lalonde, M., & Egan, R. Ontario Simulation Exposition 2017, Toronto, Ontario.

Feasibility and learning outcomes associated with preparing nursing students for simulation using virtual gaming simulations. (April, 2018).

Poster: Luctkar-Flude, M., Tyerman, J., Tregunno, D., McParland, T., Peachey, L., Lalonde, M., Egan, R., Chumbley, L., Collins, L., Verkuyl, M., & Mastrilli, P. Sigma Theta Tau International Nursing Education Research Conference, Washington, D.C.

Virtual Gaming Simulation: A prenatal experience. (Nov 2017).

Oral Presentation: M. Verkuyl, J. Lapum; O. St-Amant, Simulation in Action. Virtual Showcase. 2017 SIM Expo, Toronto, Ontario.

Toward a framework for effective game-based learning design (2017).

Oral Presentation: Djafarova, N., Verkuyl, M., Turetken, O., Zefi, L., Dimitriadou, A., Mastrilli, P., Romaniuk, D. The Ontario Council for University Lifelong Learning. Toronto, Ontario.

Virtual Gaming Simulation: Prescribing Controlled Substances (Sept 2017).

Oral Presentation: M. Verkuyl. NPAO Annual Conference, Toronto, ON, Canada.

Playing Games: Using Virtual Gaming Simulation to Augment Clinical Practice in Nursing

(Oct 2017). Oral Presentation: M. Verkuyl, D. Romaniuk, P. Mastrilli. International

Council for Open and Distance Education (ICDE) World Conference on Online Learning, Toronto, ON, Canada.

Virtual Gaming Simulation of a Mental Health Assessment (July 2017). Showcase: M. Verkuyl, P. Mastrilli. Serious Play Conference. Manassas, Virginia, USA.

Play the Game: Using Virtual Gaming Simulation to Enhance Learning (June, 2017). Poster Presentation: D. Romaniuk, M. Verkuyl, P. Mastrilli. INACSL Conference, 2017 Washington DC, USA.

Developing Skills in Pediatric Post-Operative Care: How Does a Virtual Gaming Simulation Compare with Traditional Lab Simulation (June, 2017). Poster Presenters: M. Verkuyl, D. Romaniuk, P. Mastrilli. INACSL Conference, 2017 Washington DC, USA.

Virtual Gaming Simulation of a Mental Health Assessment: A usability (April, 2017). Oral Presentation: M. Verkuyl, D. Romaniuk, P. Mastrilli. GANES Conference: Catalyzing Nursing Education and Scholarship for Global Health, Miami, Florida, USA.

Virtual Gaming Simulation in Nursing Education: A Focus Group Study (April, 2017). Oral Presentation: M. Verkuyl Authors: M. Hughes, J. Tsui, L. Betts, O. St-Amant, J. Lapum, Presentation: GANES Conference: Catalyzing Nursing Education and Scholarship for **Global Health, Miami, Florida, USA.**

A Virtual Gaming Simulation for Pediatric Nursing Care: A randomized control study (Feb, 2017). Oral Presentation: **M. Verkuyl, P. Mastilli, D. Romaniuk.** Teaching & Learning Symposium Toronto, Ontario, Canada.

Virtual Simulation in Nursing Education (Oct, 2016). Oral Presentation: **M. Verkuyl, P. Mastrilli, & D. Romaniuk.** Simulation in Action. Virtual Simulation Showcase. SIM-One, Toronto, Ontario.

Developing Communication and Mental Health Assessment Skills through a Virtual Simulation Game (May, 2016) Oral Presentation: **M. Verkuyl, P. Mastrilli, D. Romaniuk,** CASN Canadian Nursing Education Conference, Toronto, Ontario.

Virtual gaming to develop pediatric nursing skills (May, 2016). Oral Presentation: **M. Verkuyl, P. Mastrilli, D. Romaniuk.** CASN Canadian Nursing Education Conference, Toronto, Ontario.

Clinical Gaming Simulation for Nursing Education: A usability test (Jan, 2016). Poster presentation: L. Attack, M. Verkuyl, P. Mastrilli, & D. Romaniuk, International Meeting for Simulation in Healthcare, SanDiego, Cal.

Virtual Clinical Gaming Simulation for Nursing Education: An Experiment (Jan, 2016). Poster Presentation: D. Romaniuk, **M. Verkuyl, P. Mastrilli, & L. Attack.** International Meeting for Simulation in Healthcare, SanDiego, Cal.

Pediatric Virtual Gaming Simulation (Dec, 2015). Oral Presentation: **M. Verkuyl**, P. Mastrilli, D. Romaniuk, Simulation in Action, Virtual Simulation Showcase, SIM-One: Toronto, Ontario.

PRESENTATIONS INTERNAL (2010-current)

Come Play the Game: A Virtual Healthcare Experience (June 2019). Oral Presentation: **M. Verkuyl** & M. Hughes. RISE at Centennial College, Toronto, Ontario.

What are students saying about etextbooks? (June 2019). Oral Presentation: **M. Verkuyl**, M. Hughes, O. St-Amand & J. Lapum. RISE at Centennial College, Toronto, Ontario.

Virtual game simulation (VGS): Come and experience the journey of clinical decision making. (May, 2019). Oral Presentation: N. McGee, M. Verkuyl, T. McCulloch, J. Tsui and B. Layard (oral presentation) Centennial Learns State of the College Centennial College, Toronto, Ontario.

Suspension of Disbelief Factors Within Virtual Gaming Simulation (May 2018) Oral Presentation: **M. Verkuyl** & M. Hughes. Centennial Learns at Centennial College, Toronto, Ontario.

Playing Serious Games to Enhance Learning (June 2017). Oral Presentation: **M. Verkuyl**, RISE at Centennial College, Toronto, Ontario.

Virtual Gaming Simulation (April, 2017). Oral Presentation: **M. Verkuyl**, Open Webinar at Centennial College, Toronto, Ontario.

Preparing a Manuscript for Publication (March, 2017). Oral Presentation: **M. Verkuyl**, Research Workshop at Centennial College, Toronto, Ontario.

Virtual Gaming Simulation (March, 2017). Oral Presentation: **M. Verkuyl**, Lunch & Learn at Centennial College, Toronto, Ontario.

Virtual Clinical Gaming Simulation for Nursing Education: An Experiment (May, 2016). Poster Presentation: **M. Verkuyl**, D. Romaniuk, P. Mastrilli, & L. Atack, SoTL Research Workshop at Centennial College, Toronto, Ontario.

Clinical Care Decisions for Virtual Patients (Feb, 2016). Oral Presentation: **M. Verkuyl**, P. Mastrilli & D. Romaniuk, Teaching & Learning Symposium, Centennial College, Toronto, Ontario.

Global Experiences (Nov, 2015). Oral Presentation: **M. Verkuyl**, Faculty Fest, Centennial College, Toronto, Ontario.

BOOK PUBLICATIONS

- Lapum, J., **Verkuyl, M.**, Garcia, W., St-Amant, O., & Tan, A. (2018). Vital sign measurement across the lifespan. Open access. EcampusOntario. Retrieved from: <http://pressbooks.library.ryerson.ca/vitalsign/>
- Lapum, J., **Verkuyl, M.**, Hughes, M., St-Amant, O., Romaniuk, D., Betts, L., & Mastrilli, P. (2018). Design and creation of virtual gaming simulations in nursing education. In R.Gordon and D.McGonigle (Eds.), Virtual Simulation in Nursing Education. Springer Publishing: New York
- Bates, T., Zefi, L., Dimitriadou, A., Ferworn, A., Turetken, O., Romaniuk, D., Verkuyl, M., & Mastrilli, P. (2018). The Art of Serious Game Design. Open Access. Retrieved from: <https://pressbooks.library.ryerson.ca/guide/>

PROFESSIONAL ACTIVITIES (2010-present)

- 2019-2024 Adjunct graduate faculty member for the Ph.D. in Health Sciences Program in the School of Health Sciences at the University of South Dakota
- 2019-current Member, Departmental Evaluation Committee, Daphne Cockwell School of Nursing, Ryerson University
- 2018-current Member, Working group for new courses: Introduction to Health Assessment and Advanced Health Assessment
- 2018-current Chair. Virtual Simulation Community of Learning
- 2020 Committee Member. Expo Advisory Committee 2020. Simulation Canada
- 2019 Reviewer. International Journal of Nursing Education Scholarship
- 2019 Reviewer. Virtual Reality
- 2019 Reviewer. Disability and Rehabilitation
- 2019 Reviewer. IEEE VR 2020 Journal Papers
- 2018-present Advisory member of the Nursing Community Assessment Service Virtual Reality Initiative Advisory Committee
- 2018-2019 Key Expert Consultation: Spreading Team Training: Improving Teamwork to Strengthen Healthcare Systems, Ariadne Labs
- 2016-2020 Reviewer. Clinical Simulation in Nursing

PRECEPTOR & SUPERVISION

- Dissertation Committee Members for Aaron Hartstein in the Ph.D. in Health Sciences Program in the School of Health Sciences at the University of South Dakota
- Preceptor: Duncan Ebby in a MN APN in Primary Care course Sept 2016-April 2017
- Supervision:
- Sarah Zwicker research assistant for Testing the impact of self-debrief in In-person Simulation: A mixed methods study Fall 2019.
 - Jyoti Bakshi research assistant for Testing the impact of self-debrief in In-person Simulation: A mixed methods study Fall 2019.
 - Czarielle Dela Cruz research assistant for Testing the impact of self-debrief in In-person Simulation: A mixed methods study Fall 2019.
 - Jessica Bregstein research assistant for the Technology-enabled Learning in Virtual Gaming Simulation: Comparison of Debriefing Methods in Nursing Education Study Winter-Spring 2017

Karen Owusu research assistant for the Technology-enabled Learning in Virtual Gaming Simulation: Comparison of Debriefing Methods in Nursing Education Study Winter-Spring 2017

Zico Marsongko research assistant for the Technology-enabled Learning in Virtual Gaming Simulation: Comparison of Debriefing Methods in Nursing Education Study Winter-Spring 2017

Linda Lui research coordinator for the Technology-enabled Learning in Virtual Gaming Simulation: Comparison of Debriefing Methods in Nursing Education Study Winter 2017-Spring 2018