

2019

- 2019, Shewchenko, N., Bayne, T., Fournier, E., Magnan, S., ["A Practical Ballistic Yaw Sensor"](#), 31st International Symposium on Ballistics, Hyderabad, India, Nov. 4-8, 2019.
- 2019, Gabriel, U., Pageau, G., Des Roches, M., Ouellet, S., Baillargeon, Y., Francus, P., Shewchenko, N., ["Terminal Ballistics Application of X-Ray Computed Tomography \(XCT\) for the Quantitative In-Situ Analysis of Fragments Embedded in Collection Media"](#), 31st International Symposium on Ballistics, Hyderabad, India, Nov. 4-8, 2019.

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- 2017, Quenneville, C., Shewchenko, N., Fournier, E., "The Effect of ATD Lower Leg Surrogate Selection on Impact Mitigating System Evaluation in Low and High-Rate Loading", International Journal of AMSUS - Military Medicine, Vol. 182, Sep-Oct 2017.
- 2017, Gibson, T., Shewchenko, N., Whyte, T., "Chapter 8: The Skull and Brain: Test methods, BABT and helmet design" in "Military Injury Biomechanics: The cause and prevention of impact injuries", CRC Press, Taylor & Francis Group, 2017. **2016**

- 2016, Anctil, B., Philippens, M.M.G.M. and Shewchenko, N, ["Are the sensor based BABT test methods suitable for helmet and body armour certification?"](#) Personal Armour Safety Symposium, Amsterdam, The Netherlands, 19-23 September, 2016.

2014

- 2014, Shewchenko, N., Rowley, N., Baines, D., Bir, C., ["Development of Stab Weapon Exemplars from a Survey of Threats in a Corrections Environment"](#), Personal Armour Safety Symposium 2014, Cambridge, UK, September 2014.
- 2014, Anctil, B., Bayne, T., Williams, K., Fourny, P., Craigie, I., Savard, A., ["Compression Resistance Testing of Combat Helmets and the Effects on Ballistic Performance"](#), Personal Armour Safety Symposium 2014, Cambridge, UK, September 2014.
- 2014, Fournier, E., Williams, K., Wonnacott, M., ["Injury Assessment of Focal Loading Using the Mandible Load Sensing Headform & with a Multi-point Thin Film Force Sensor"](#), Personal Armour Safety Symposium 2014, Cambridge, UK, September 2014.
- 2014, Shewchenko, N., Fournier, E., Quenneville, C., ["ATD Lower Leg Surrogate Selection and the Effects on the Evaluation of Blast Energy Attenuating Floor Mats"](#), Personal Armour Safety Symposium 2014, Cambridge, UK, September 2014.
- 2014, Philippens, M.M.G.M., Anctil, B., Markwardt, K.C., ["Results of a Round Robin"](#)

[Ballistic Load Sensing Headform Test Series"](#)

, Personal Armour Safety Symposium 2014, Cambridge, UK, September 2014.

- 2014, Larouche, O.J., Pageau, G., Anctil, B., Wonnacott, M., "Heavy Load Carriage Effects on Soldier Metabolism and Physiology", poster at the 5th annual Military and Veteran Health Research Forum, Toronto, Ontario, November.

2012

- 2012, Newman, J., Withnall, C., Wonnacott, M., [An Integrated Helmet and Neck Support \(iHANS\) for Racing Car Drivers](#) - A Biomechanical Feasibility Study, proceedings of the Stapp Car Crash Conference, Savannah, Ga, 2012

- 2012, Bourget D., Withnall C. et al., ["Aged Body Armour Testing; Futher Results"](#) , proceeding of the Personal Armour Systems Symposium, Nuremburg Sep. 17-21, 2012

- 2012, Williams W., Fournier E. et al., ["Application of a Test Methodology for Assessing Mandibular Protection System Performance in Mitigating BABT and Blunt Impact: Initial Results and Way Forward"](#) , proceedings of the Personal Armour Systems Symposium, Nuremburg Sep. 17-21, 2012.

- 2012, Hewins K., Anctil B. et al., ["Ballistic Blunt Trauma Assessment Methodology Validation"](#) , proceeding of the Personal Armour Systems Symposium (PASS), Nuremburg Sep 17-21, 2012.

- 2012, Shewchenko, N., Fournier, E., Wonnacott, M., Williams, K., Filips, D., Martineau, L., ["A Vulnerability/Lethality model for the Combat Soldier, A New Paradigm - Basis and Initial Development"](#) , proceeding of the Personal Armour Systems Symposium (PASS), Nuremburg Sep 17-21, 2012.

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- 2011, Viano, D., Withnall, C., Wonnacott, M., "Football Helmet Drop Tests on Different Fields Using an Instrumented Hybrid III Head", Annals of Biomedical Engineering, Jan 2012 Volume 40 page 97-105.

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- 2010, Crossman, D., Shewchenko, N., "Enhanced Blunt Impact Protection, Comfort, Stability on Combat Helmets for mild Traumatic Brain Injury Casualty Reduction", proceedings of the Personal Armour Systems Symposium (PASS), Quebec City, QC, 13-17 September.

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- 2010, Wonnacott, M and Withnall C, "Development of an Articulating Mandible Headform Having Force Sensing Temporomandibular Joints," SAE paper 10B-0185.
- 2010, Bolduc, M., Anctil, B., ["Improved Test Methods for Better Protection, a BABT Protocol Proposal for STANAG 2920"](#), proceedings of the Personal Armour Systems Symposium (PASS), Quebec City, QC, 13-17 September.

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- 2008, Bourget, D., Anctil, B., Pageau, G., Rice, K. and Toman, A., "Overview of Thoracic and Abdominal Blunt Impact Injury Models", Personal Armour Systems Symposium (PASS), Brussels, Belgium.
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- 2008, Withnall, "New Advances in Biomechanical Research: Headform with Articulating Mandible", UPMC New Developments in Sports-Related Concussion Symposium, PowerPoint® presentation, Pittsburg, PA, July 24-25.

2007

- 2007, Fournier, E., Bayne, T., Shewchenko, N., "Ejection Safety for Advanced Helmet Mounted Displays", Survival and Flight Equipment Association (SAFE) Symposium, PowerPoint® presentation, Reno, Nevada.
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Switzerland.

- 2007, Fournier, E., Bayne T., "Under Hood Temperature Measurements", Society of Automotive Engineers, Paper # 2007-01-1393.

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- 2003, Withnall, C., Shewchenko, N., Wiley, K. and Rogers, N., "An Improved Dummy Neck for the ISO 13232 Motorcycle Anthropometric Test Dummy", International Technical Conference on the Enhanced Safety of Vehicles (ESV), Nagoya, Japan.
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