

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.

2011

- 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.

2010

- 2010, Fournier, E., Williams, K., Shewchenko, N., Wonnacott, M., Bayne, T., "Mandible Guard Test Methodology and Injury Criteria Development", proceedings of the Personal Armour Systems Symposium (PASS), Quebec City, QC, 13-17 September.

- 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.

- 2010, Withnall C, Garland L and Bourget D, "Aged Body Armour Testing in Development of a Replacement Protocol" proceedings of the Personal Armour Systems Symposium (PASS), Quebec City, QC, 13-17 September.

- 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.

2009

- 2009. Anctil, B., "Weapons Effects Characterization", Soldier Systems technology Roadmap – Weapons: Lethal and Non-lethal Workshop, PowerPoint® presentation, Toronto, ON, Nov. 24-26.

2008

- 2008, Anctil, B., Wonnacott, M., Carboni, M. and Colanto, D., "Bomb Suit Standard for Law Enforcement", Working Draft, NIJ Standard 0117.00, U.S. Department of Justice, National Institute of Justice, Washington DC.
- 2008, Anctil, B., Bourget, D., Pageau, G., Dionne, J.-P., Wonnacott, M., Rice, K. and Toman, A., "The Development of a Ballistic Helmet Test Standard", Personal Armour Systems Symposium (PASS), Brussels, Belgium.
- 2008, Anctil, B., Bayne, T., Bourget, D., Pageau, G., Binette, J-S., Rice, K. and Toman, A., "An Alternative to Plastilina for Evaluating the Performance of Body Armours", Personal Armour Systems Symposium, Brussels, Belgium.
- 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.
- 2008, Pageau, G., Williams, K., Bourget, D., Cheng, M., Hedge, C., and Anctil, B., "Ballistic Performance Assessment of Lightweight Body Armour Material Systems against IED Threat Surrogates", 24th International Symposium on Ballistics (ISB), New Orleans, LA, USA.
- 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.
- 2007, Shewchenko, N., Withnall, C., "A New Headform for Evaluating the Impact Performance of Mouth Guards", 3rd International Meeting on MTBI in Sports, St. Moritz, Switzerland.
- 2007, Fournier, E., Bayne T., "Under Hood Temperature Measurements", Society of Automotive Engineers, Paper # 2007-01-1393.

2006

- 2006, Crocker, J., MacKay, K., Yang, S., Rushton, P., Fournier, E., Keown, M., Wonnacott, M., Gardner, W., "Motor Coach Glazing Retention Test Development for Occupant Impact During a Rollover", Canadian Association of Road Safety Professionals (CARSP) Conference.
- 2006, Fournier, E., Bayne, T., "Flammability of Under Hood Insulation Materials", SAE, Paper No. 2006-01-1011.
- 2006, Bayne, T., Fournier, E., "Automotive Anti-Siphoning and Leak Prevention Technology Review", SAE, Paper No. 07B-95.
- 2006, Viano, D.C.; Pellman, E.J.; Withnall, C.; Shewchenko, N., "Concussion in Professional Football: Performance of Newer Helmets in Reconstructed Game Impacts--Part 13", Journal of Neurosurgery, 59:3.
- 2006, Shewchenko, N., "Performance Evaluation of Personal Protection Systems",

National Security Equipment Committee Meeting, PowerPoint® presentation Saskatoon, Saskatchewan.

- 2006, Shewchenko, N., "Personal Protection Systems", PowerPoint® presentation, National Security Equipment Committee Meeting, Saskatoon, Saskatchewan.
- 2006, Mah, J., Anctil, B., and Keown, M., "Damage Caused by Soil Debris from Buried Anti-Personnel Mines", Personal Armour Systems Symposium (PASS), Leeds, United Kingdom.
- 2006, S. Waclawik, Zielinski, M., Hennessy, E., Colanto, D., Anctil, B., Keown, M., Bass, C., Salzar, R., Planchak, C. et al., "The Development of an Explosive Ordnance Disposal Personal Protective Equipment Performance Standard", Personal Armour Systems Symposium (PASS), Leeds, United Kingdom.
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- 2006, Anctil, B., Keown, M., Bourget, D., Pageau, G., Rice, K. and Davis, G., "Performance Evaluation of Ballistic Helmet Technologies", Personal Armour Systems Symposium (PASS), Leeds, United Kingdom.
- 2006, Anctil, B. and Shewchenko, N., "Performance Evaluation of Soldier's Protection Systems", International Soldier Systems Conference (ISSC), Brighton, United Kingdom.
- 2006, Shewchenko, N., "Biomechanics in Football", PowerPoint® presentation for 2nd International Football and Sports Medicine Conference, Dusseldorf, Germany.
- 2006, Withnall, C., "Development of a Headform with Articulating Mandible", ASTM Shirtsleeves meeting presentation, Toronto, Ontario.

2005

- 2005, Shewchenko, N., Withnall, C., Keown, M., Gittens, R., and Dvorak, J., "Heading in Football. Part 1: Development of Biomechanical Methods to Investigate Head Response", British Journal of Sports Medicine, 2005;39;10-25.
- 2005, Shewchenko, N., Withnall, C., Keown, M., Gittens, R., and Dvorak, J., "Heading in Football. Part 2: Biomechanics of Ball Heading and Head Response", British Journal of Sports Medicine, 2005;39;26-32.
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- 2005, Shewchenko, N., "Injury Assessment with Physical Surrogates", PowerPoint®

presentation, Blast Injury Testing Conference (BITC) IV, Arlington, VA.

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- 2005, Anctil, B., Keown, M., Pageau, G., Bolduc, M., and Bourget, D., "Performance of Multi-Threat Body Armour Systems", International Symposium on Ballistics (ISB) 2005.
- 2005, Anctil, B., Keown, M., Bourget, D., and Pageau, G., "A Novel Test Methodology to Assess the Performance Ballistic Helmets", 22nd International Symposium on Ballistics, Vancouver, British Columbia.
- 2005, Keown, M. and Manseau, J., "A Novel Approach to the Evaluation of Lower Leg Injuries Caused by Axial Impact: The Complex Lower Leg", International Research Council on the Biomechanics of Injury (IRCOBI), 2005.
- 2005, Fournier, E., Kot, J. and Sullivan, D., "Assessment of Fuel System Technology Use in 2003 Model Year Vehicle", SAE 2005 World Congress, 2005-01-1423.
- 2005, Digges, K., Fournier, E., Keown, N., Shewchenko, N. and Kot, J., "Alternative Fuel Tanks for Pickups with Sidesaddle Tanks", SAE 2005 World Congress, 2005-01-1427.

2004

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- 2004, Shewchenko, N., "Biomechanics of Head Impact and Responses in Football", The Second International Symposium on Concussion in Sports, Prague, Czech Republic.
- 2004, Withnall, C., "Soccer Headgear", PowerPoint® presentation for ASTM Soccer Headgear Task Group.
- 2004, Balzulat, J., Wirsching, H., Hassan, J., Noy, I., Gardner, W., and Shewchenko, N., "The Electronic Belt Fit Test Device – Methodology, Results and Prospects", PowerPoint presentation for Digital Human Modeling, SAE.

2003 and Earlier

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- 2003, Keown, M., Shewchenko, N., and Dvorak, J., "A Numerical Investigation of Impact Severity Reduction in Football Heading", MADYMO Users Group i-Head Paper.
- 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.
- 2002, Fournier, E., Beusenbergh, M. and Shewchenko, N., "Analyzing Broadcast Video Footage to Determine Football Athlete Kinematics", 7th World Conference on Biomechanics,

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- 2002, Reed, M., Lehto, M., Anctil, B., Brown, C. and Noy, I., "Development of the Seatbelt Fit Assessment Components for the ASPECT Manikin", SAE 2002 World Congress, Detroit, Michigan. Advances in Safety Test Methodology, SP-1664.
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- 2001, Shewchenko, N., "Biomechanical Consideration of Head Injuries in Frontal Motor Vehicle Collisions", Continuing Legal Education Workshop: Tough Cases, Hard Questions, Motor Vehicle Litigation Today of the Canadian Bar Association, Toronto, Ontario.
- 2001, Shewchenko, N., Newman, J. and Barr, C., "Biomechanical Assessment of Concussion in Sports", International Symposium on Mechanics of Human Movement and Biomaterials, Ottawa, Ontario.
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- 1998, German, A., Dalmotas, D., Monk, B., Contant, P., Gou, M., Carignan, S., Lussier, L., Newman, J. and Withnall, C., "In-Depth Investigation and Reconstruction of an Air Bag Induced Child Fatality", 16th International Technical Conference on the Enhanced Safety of Vehicles (ESV), Windsor, Ontario.
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- 1996, Newman, J., Gibson, T., Rogers, N. and Zellner, J., "Performance Specifications for the Neck of a Motorcyclist Anthropometric Test Dummy", 15th International Technical Conference on the Enhanced Safety of Vehicles (ESV), Melbourne, Australia.
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- 1993, Grant, B., Pedder, J. and Shewchenko, N., "Estimating the Extent of Improper Seat Belt Use", Canadian Multidisciplinary Road Safety Conference VII, Saskatoon, Saskatchewan.

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- 1992, Shewchenko, N., "Development of an Infant Impact Headform", Crash Injury Biomechanics Conference, Adelaide, South Australia.
- 1991, Smith, T. and Newman, J., "CSA D113.2 - Not Just Another Bicycle Helmet Standard", Canadian Multidisciplinary Road Safety Conference VII, Vancouver, British Columbia.
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- 1987, Gallup, B. M. and Newman, J., "The Assessment of Facial Injury to Fully Restrained Drivers Through Full-Scale Car Crash Testing", *Journal of Trauma*, 27(7).
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- 1984, Newman, J. and Gallup, B., "Biofidelity Improvements to the Hybrid III Headform", 28th Stapp Car Crash Conference, Chicago, Illinois.
- 1983, Newman, J., "Tissue Stress Tolerances and Injury Indices", 9th International Congress of Biomechanics, Waterloo, Ontario.
- 1983, Schneider, D., Ward, C. and Newman, J., "ATD and Cadaver Head Response to Impact Loading", 11th Workshop on Human Subjects for Biomechanical Research, San Diego, California.
- 1982, Newman, J., "The Influence of Time Duration as a Failure Criterion in Helmet

Evaluation", SAE International Off Highway Meeting and Exposition,

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