

PASS 2018 Conference									
	1-Oct-18		2-Oct-18		3-Oct-18		4-Oct-18		5-Oct-18
Time	Monday	Time	Tuesday	Time	Wednesday	Time	Thursday	Time	Friday
		8:00-8:25	Continental breakfast	8:00-8:30	Continental breakfast	8:00-8:30	Continental breakfast		
		8:25-8:30	Welcome	8:25-8:30	Welcome	8:25-8:30	Welcome	8:00-8:55	Continental breakfast
			Session 2: Standards		Session 6: Personal Armour/BABT		Session 10: BABT	8:55-9:00	Welcome
			Moderator: TBD		Moderator: TBD		Moderator: TBD		Session 14: Vulnerability
		8:30-9:00	James Thomas "Pressure Sensing in Clay: Potential New Helmet Testing Metric for Backface Impact Severity"	8:30-9:00	Justin McKee "Finite Element Simulation to Determine the Effect of Knit Architecture on Ballistic Response"	8:30-9:00	Cyril Robbe "Sensitivity studies of the BTTR surrogate and comparison between NLW and BABT applications"		Moderator: TBD
		9:00-9:30	Matthew Bevan "Correlation between Round Impact Energy and Displaced Clay Volume for Three Classes of Armour"	9:00-9:30	Timothy Zhang "Indent Depth in the clay backing for soft and hard armour"	9:00-9:30	Anthony Bracq "Behind armor blunt trauma assessment by means of experimental and numerical approaches"	9:00-9:30	Sofia Hedenstierna "Methodology for small arms vulnerability analysis of protected and unprotected man"
		9:30-10:00	Xin-lin Gao "Constitutive Modeling of Ballistic Roma Plastilina No. 1 Clay"	9:30-10:00	Karin Rafaels "Can Clay Tell Us More Than Deformation"	9:30-10:00	Eluned Lewis "The virtues of VIRTUS: Development and introduction of the new VIRTUS body armour, load carriage and helmet system for UK Armed Forces personnel"	9:30-10:00	Sheridan Liang "A comparison of the thoraco-abdominal anatomical data of the Visible Human Project Female to three living females"
		10:00-10:15	Poster Intros: Cindy Bir, Aaron Forster, Ran Tao	10:00-10:15	Poster Intros: Thuy-tien Nguyen, Karin Rafaels, Angel Miranda-Vicario	10:00-10:15	Poster Intros: Gary Tan, Yungchia Chen, Nicolas Prat	10:00-10:15	PASS 2020
		10:15-10:45	Coffee break/Poster Session/Exhibits	10:15-10:45	Coffee break/Poster Session/Exhibits	10:15-10:45	Coffee break/Poster Session/Exhibits	10:15-10:45	Coffee break/Poster Session/Exhibits
			Session 3: Standards		Session 7: Armour Materials		Session 11: Human Factors/Personal Armour		Session 15: Vulnerability
			Moderator: TBD		Moderator: TBD		Moderator: TBD		Moderator: TBD
		10:45-11:15	Mohamed Latreche "Ballistic and Non-Ballistic Helmet Requirements and their Effect on PE Helmet Weights"	10:45-11:15	Kathryn Loftis "Estimating Obliuity of Ballistic impacts from Residual Damage to Hard Armour Plates"	10:45-11:15	Leonard Lombardo "Two Sample Statistical Interference for Ballistic Limit Testing of Body Armour"	10:45-11:15	Mathieu Philippens "Combat Helmet Blunt Impact Performance and Test Method and Head Injury Criteria"
		11:15-11:45	Marjolein Van Der Jagtdeutekom "Assessment of the secondary fragements from buried explosives"	11:15-11:45	Anan Azevedo "Experimental assessment of the effect of damage on the ballistic resistance of ceramic inserts"	11:15-11:45	James Davis "An analysis of the fit and function of the UK OSPREY body armour system for female users on combat operations"	11:15-11:45	Christophe Marechal "Development of physical and numerical head substitute used for wound ballistic assessment"

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		11:45-12:15	Ian Crouch "A review of ballistic testing methodologies for Hard Armour Plates in conjunction with, and without, Soft Armour Inserts"	11:45-12:15	Jason Lo "Carbon Nanotube Reinforced Alumina"	11:45-12:15	Christopher Eckersley "A Real Pain in the Neck: Design Limits on Magnitude and Location of Head Supported Mass"	11:45-12:00	Wrap Up
		12:15-12:30	Poster Intros: Ashok Bhatnagar, Subramaniam Rajan, Leigh Phoenix	12:15-12:30	Poster Intros: Anthony Bracq, Peter Matic, Jeffrey Levine	12:15-1:30	Lunch/Exhibits	12:00-1:00	Lunch to go
12:00-1:20	Lunch/Exhibits	12:30-1:30	Lunch/Exhibits	12:30-1:30	Lunch/Exhibits		Session 12: Human Factors/Injury		
1:20-1:30	Welcome and Practical Details		Session 4: Armour Materials		Session 8: Standards		Moderator: TBD		
1:30-2:00	Dr. Stephanie Hooker Welcome from NIST		Moderator: TBD		Moderator: TBD	1:30-2:00	Aernout Oudenhuijzen "Digital Head Avatars for combat helmet fit"		
1:45-2:15	Keynote: To be confirmed	1:30-2:00	Kirk Rice "Evaluation of Degradation Models for High Strength p-Aramid Fibers Used in Body Armour"	1:30-2:00	Manon Bolduc "Tactical ballistic shields operational testing protocol definition"	2:00-2:30	Jean-philippe Dionne "Use of Hybrid III mannequins for a blast overpressure standard test methodology"		
2:15-2:45	Keynote 2: Dr. Brian Holmes	2:00-2:30	Naresh Bhatnagar "Effect of matrix variation on the high strain rate performance of UHMWPE composite"	2:00-2:30	Mark Begonia "Influence of flexible neck on head kinematic response during military helmet impact testing"	2:30-3:00	Joost Op'Teynde "The Lessons of History: Helmets and Primary Blast"		
2:45-3:15	Coffee break	2:30-3:00	Mark Hazzard "Finite Element Modelling of Impact on Composites made with Dyneema"	2:30-3:00	Alan hywel Jones "Determination of the Cause of the Differing Ballistic Performance of 9 mm DM11 Bullets from Two Manufacturers"	3:00-3:15	Jeffrey Levine "Realistic bomb suit blunt impact protection vs. standards requirements"		

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	Session 1: Standards	3:00-3:15	Poster Intros: Rob Kinsler, Heiner Gedon, Riyadh Ratrout	3:00-3:15	Poster Intros: Courtney Cox, Joe Andrist, Matthew Keown	3:15-3:45	Coffee break/Poster Session/Exhibits		
	Moderator: TBD	3:15-3:45	Coffee break/Poster Session/Exhibits	3:15-3:45	Coffee break/Poster Session/Exhibits		Session 13: Injury		
3:15-3:45	Mark Greene "The Next Revision of the NIJ Performance Standard for Ballistic Resistanace of Body Armor, NIJ Standard 0101.07: Changes to Test Methods and Test Threats"		Session 5: Armour Materials		Session 9: Armour Materials		Moderator: TBD		
3:45-4:15	Tom Payne "Home Office Body Armour Standard (2017)- Scientific Rationale"		Moderator: TBD		Moderator: TBD	3:45-4:15	Thomas O'Shaughnessy "Influence of helmet system on blast overpressure transmission into the brain"		
4:15-4:45	Michael Riley "Practical Estimateion of Uncertainty in Test Velocity Measurements"	3:45-4:15	A Ramezani "Improvement of Ultra High Molecular Weight Polyethylene Armour Structures with Numerical Solutions"	3:45-4:15	Erik Carton "Role of ineratia in armour ceramics"	4:15-4:45	Vanessa Alphonse "Effect of helmet and eyewear on headform kinematic and kinetic response to primary blast overpressure exposure"		
4:45-5:15	Casandra Robinson "Reducing Law Enforcement Officer vulnerability by Closing the Gap in Body Armor Coverage and Fit"	4:15-4:45	Neelanchali Asija Bhalla "Effect of STF packaging method on the impact resistance of UHMWPE ballistic composite"	4:15-4:45	Mohamed Latreche "Using Material Combinations to reduce the effective Risk of Penetration from High Velocity Rounds in a Helmet"	4:45-5:15	Marina Seidl "Investigations on projctile ricochet off body armour"		
5:15-5:45	Morgan Trexler "Development of a Modular Load Sensing Headform"	4:45-5:15	Andrew Geltmacher "Evaluation of Prior Dents on Ballistic Performance of High Density Polyethelyne Specimens"	4:45-5:15	Steffen Grobert "Comparative Tests with a modified "PK17dynA" for an Integrated Assessment of Ballistic Backface Deflections on Combat Helmets "	5:15-5:45			
		6:00-8:00	Reception at Westin, Washington, DC	5:15-5:45	Caroline Deck "Assessment of Behind Armour Blunt Trauma risk for a combat helmet by a combined experimental and numerical method"	6:30-8:30	Conference Banquet at Willard Intecontinental Hotel		