



Poster Session

Launch Dynamics & Interior Ballistics Poster Session ( P 1 )

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
1	37699601	Gun barrel erosion analysis using a coordinate measuring machine (CMM): Experimental and statistic study	dhouibi	mohamed	Belgique	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
2	37770477	Design Optimization for a Launching System with Novel Structure	Cao	Runduo	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
3	37715487	Thermal-Flow Coupling Simulation Analysis of Spiral Channel Water Cooled Radiator for High Power Thyristor	Ma	FuQiang	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
4	38796957	EXPERIMENTAL STUDY ON IMPACT COMPRESSIVE/TENSILE BEHAVIORS OF HTPB COMPOSITE BASE BLEED GRAIN AT VARIOUS TEMPERATURES	Wu	Zihui	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
5	37579845	Internal Ballistics Studies on Compensation of Charge Temperature Effect for Large Caliber Gun System	SUDARSAN	NV	India	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
6	38777405	Study on Interior Ballistic Performance of Cased Telescoped Ammunition with Compressed Charge	CAO	Yong-jie	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
7	38838505	Burn Rate Evaluation with a New Design of Ballistic Evaluation Motor	Sanyal	Bedabrata	India	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
8	37889011	Influences of multiple structural parameters on interior ballistics based on orthogonal test method	Hu	Chaobin	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
9	38689421	Research for Diffusion of the Polymer Deterrent in the Gun Propellant	LIU	Bo	P. R. China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
10	38859279	Test and Analysis on Fault of Thyristor in a Pulsed Power Supply for EML	Li	ZhenXiao	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
11	37335445	Comparative Analysis of Effects of Gunpowder and Plasma Ignitions in Closed Vessel Tests	Trebinski	Radoslaw	Polska	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
12	37413653	Effect of particle size on the thermal decomposition of ammonium perchlorate	K	Venkata Suresh Babu	India	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
13	38812843	Analysis of Overpressure in Bore Caused by Fragmentation of High Energy Gun Propellants	Li	Rui	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
14	37209579	Modifications of closed vessel test results analysis method	Trebinski	Radoslaw	Poland	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
15	37518745	EFFECT OF BURN RATE EXPONENT VARIATION ON BALLISTIC PERFORMANCE OF GAS GENERATOR WITH HIGH BURN RATE PROPELLANT	Sudhakar	Rayabarapu	India	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
16	37791251	Modeling of Water Cooling Performance for Pulse Repetition Rate Inductor	Hao	ShuangPeng	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
17	38203065	Application of 5-Aminotetrazole in GAP/AN Based Propellant	ZHENG	Qi-long	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
18	38837283	Study on the Integrated Design Method on Internal Ballistic and Charging Structure of Multiple Projectile Types	Zhang	Ming-an	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
19	37867015	A prediction method for the performance of a low-recoil gun with front nozzle	Cheng	Cheng	China	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
20	38850725	COMPARISON OF METHODS FOR PREDICTION OF SOLID ROCKET MOTOR BURN RATE	SHANKAR	RAVI	India	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
21	38254389	Experimental - Numerical study of the Pressure & Projectile velocity measurement and its Validation for Water Disruptor	Parate	Bhupesh	India	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM

22	37285343	Numerical Simulation of Drying Process of Multi-Perforated Stick Propellants	Fu	Enfa	CHINA	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
23	38072311	Numerical simulation of flow of pyrotechnic igniter gases inside inert solid rocket motor	Dahiwale	Navinkumar	India	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
24	38099195	Study of In-bore parameters of Armament Systems using Doppler Radars	Padhy	Sankarsan	INDIA	Interior Ballistics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
25	37599397	Optical analysis of probe movement in a ballistic measuring module	Sotskiy	Mikhail	Russian Federation	Launch Dynamics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
26	38679645	Numerical Simulation and Experimental Studies on Weapon Safe Separation for a High Speed Aircraft	Kumar	Dileep	India	Launch Dynamics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
27	38145631	Theoretical and experimental analysis of small arms jump for classic and bull-pup layout	Kupidura	Przemyslaw	Poland	Launch Dynamics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
28	38574553	Limitation of fire in automatic weapon barrel due to thermo-mechanical stresses	Ghanem	M	Egypt	Launch Dynamics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
29	37728929	ANALYSIS OF MUZZLE END BEHAVIOUR OF TANK GUN BARREL WITH SAND INGRESS DURING AMMUNITION FIRING	P	Vasundhra	India	Launch Dynamics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
30	37997769	Finite Element Modeling of Vibration in Rifle Barrels	Leonhardt	David	New Zealand	Launch Dynamics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
31	38790847	Numerical Simulation on the effect of Initial Pressure in Base Bleed Projectile on Unsteady Flow Field	Zhou	Shu-pei	China	Launch Dynamics	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM
32	38165183	The analysis of Human-gun interaction process based on the functional near-infrared spectroscopy	Wang	Yaping	China	Others - move to LD	Poster	P 1	Hall 3	5th Nov	11:20 AM	12:50 PM

**Explosion Mechanics Poster Session ( P 2 )**

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
33	38095529	Investigation on the influence of the initial rdx crystal size on the performance of shaped charge warheads	majiet	fakhree	South Africa	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
34	37895121	Influence of Structural Characteristics on EFP Formation under Different Liner Materials	Wang	Ya-jun	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
35	37192471	Study on Detonation Loading and Dispersal Properties of Discrete Rod	Wei	Jifeng	china	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
36	38052759	Experimental study on dynamic response of reactive structure material under detonation	Luyao	Wang	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
37	38020987	Effect of wave shaper on optimum standoff of copper liner shaped charge against steel target	Guo	Huanguo	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
38	38034429	AN EXPERIMENTAL STUDY ON DEFLAGRATION-TO-DETONATION TRANSITION WITH DIFFERENT END RESTRAINTS	Li	Weibing	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
39	37161921	Accuracy of Empirical Predictions of an Explosives Adiabatic Exponent	Locking	Paul	United Kingdom	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
40	37417319	Research on the EFP/PELE Multi-mode Conversion Warhead Technology based on the VESF Initiation System	Yakun	Liu	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
41	37705711	Propagation Coupling and Characteristics of Double Underwater Explosion Shock Wave	Ma	Yuyu	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
42	38258055	Study on the character of non-cohesion jet formed by two phase alloy liner	Zu	Xudong	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
43	37368439	Underwater Demolition of Steel Rods by Contact Explosions	Koene	L.	Netherlands	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
44	37199803	Simulation Study on EFP with Stable Tail Fins Formed by Polygonal Shaped Charge Liner	Li	Wen bin	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
45	38116303	EXPERIMENTAL STUDIES OF EXPLOSION ENERGY OUTPUT WITH DIFFERENT IGNITER MASS	Xu	Heyang	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM

46	37497971	Study of reaction and damage properties of PTFE/Al reactive materials with different phase distribution	Zhang	Song	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
47	37611617	Simulation Study on Low-Density Jets Formability and Damage Characteristics of Different Charge Structures	Han	Yangyang	China	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
48	37394101	DEFORMATION, FRAGMENTATION AND ACCELERATION OF A CONTROLLED FRAGMENTATION CHARGE CASING	Helte	Andreas	Sweden	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM
49	38262943	Exploration of a Cylindrical Shaped Charge Design Concept	Baum	Dennis	United States	Explosion Mechanics	Poster	P 2	Hall 3	5th Nov	1:50 PM	3:20 PM

**Vulnerability and Survivability Poster Session ( P 3 )**

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
50	37535853	Blast Overpressure Effects of PE4 on a Simplified Rigid Torso Surrogate	Pandelani	Thanyani	South Africa	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
51	37809581	SAFETY ANALYSIS OF PBX FILLED MUNITIONS UNDER MODERATE MECHANICAL LOADING	Heider	Norbert	Germany	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
52	37969663	Effect of blast wave on high velocity or high energy projectiles	P	Vasundhra	India	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
53	38209175	APPLICATION OF X-RAY CT FOR THE QUANTITATIVE IN-SITU ANALYSIS OF FRAGMENTS AND DEBRIS EMBEDDED IN COLLECTION MEDIA	Ouellet	Simon	Canada	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
54	38773739	New generation surface treatment techniques for enhanced adhesively bonded ceramic-based composite armour systems	Noormohammed	Saleema	Canada	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
55	37506525	A Blockade Effectiveness Assessment Model for Large Navy Ships	Wang	Zhan Dong	China	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
56	37422207	COMPARISON OF MINE BLAST IN WATER PIT VS. SANDY GRAVEL PIT (AEP-55 SOIL)	Asaf	Zvi	Israel	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
57	38616101	Hazard Identification & Risk Assessment (HIRA) for Hypersonic Shock tunnel and Shock Tube Test Facilities	Raj	S Thalapathi	India	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
58	37614061	Multi-Hit Impact Analysis of Ceramic Composite Armors	Nejad Ensan	Manouchehr	Canada	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
59	37945223	Experimental Study on Ballistic Performance for Armored Vehicles Against Small Caliber High-power Projectiles	Ratrout	Riyad	Jordan	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
60	38657649	Crush structures for attenuating impact induced accelerations	Narayanamurthy	Vijayabaskar	India	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
61	37976995	Criteria for Selecting Less Sensitive High Explosives to Mitigate Fragment Impact Response	Al-Shehab	Nausheen	USA	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
62	38809177	Numerical Simulation Study on the Refrigeration Effect of Air Conditioning in a 155mm Gun	Zhao	Na	China	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
63	38300825	A STUDY INTO THE EFFECTS OF 10% GELATIN ON RBK SKIN SIMULANT AND THE SEARCH FOR A NEW ZEALAND ALTERNATIVE	Pullen	Amy	New Zealand	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
64	38181069	Study on the energy absorption properties of high impact epoxy resin/HGB composites encapsulating materials	Xuexing	Wu	China	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
65	38159073	Comparison of selected operational characteristics of classic and bull-pup rifles	Zahor	Miroslaw	Poland	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
66	38733413	OCCUPANT INJURY SIMULATION USING HUMAN SURROGATE DURING VEHICLE UNDERBODY MINE BLAST LOADING	Prasanna	A	India	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM
67	38138299	Preliminary study for implementing head trauma risk assessment into ballistic helmets test procedures	Król	Marcin	Poland	Vulnerability and Survivability	Poster	P 3	Hall 3	5th Nov	3:40 PM	5:25 PM

**Exterior Ballistics Poster Session ( P 4 )**

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
68	38185957	Assessment of Monocular Optic Flow Analysis for Ballistic Trajectories	Decker	Ryan	United States	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
69	38782293	An Analytical Approximation for the Distribution of the Extreme Spread of a Shot Group of N Rounds	Hohnecker	Kenneth	USA	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
70	37334223	Some problems with numerical calculations of the meteo-ballistic sensitivity functions and their solutions	Cech	Vladimir	Czech Republic	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
71	38170071	Parametric Aerodynamic Evaluation & Design of Curved Brake Ring	PANDA	SANGEETA SHARMA	INDIA	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
72	38872721	GPU Accelerated Trajectory Simulation for Large Scale Monte-Carlo and Optimization	Ilg	Mark	US	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
73	37857239	Simulation analysis on the aerodynamic characteristics of jacketed rod during hypervelocity flight	Chen	Peng	China	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
74	37376993	Effect of the firing position on aiming error and probability of hit	Corriveau	Daniel	Canada	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
75	38829951	Applying the Method of Normal Forms to Nonlinear Angular Motion of Projectiles	Li	Dongyang	China	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
76	37799805	AN INNOVATIVE STABILIZER UNIT DESIGN FOR TUBE LAUNCHED ARTILLERY ROCKET TO IMPROVE DYNAMIC STABILITY	Mittal	Nitika	India	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
77	37435649	Aerodynamic and trajectory characteristics of a typical mortar projectile with a deflectable nose	Ren	Yuming	China	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
78	38102861	Numerical simulation of the coefficient of drag and trajectory elements for an artillery shell fitted with blunt nose	Sahoo	Smrutisudha	India	Exterior Ballistics	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
79	37524855	Reliability estimation of missile system using Bayesian Networks	N	Shrikanth	india	Others - move to EB	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM
80	37629947	Failure Mode Effect and Critically Analysis of Divert Attitude Control System of Launch Vehicle	S	MUTHU KUMAR	India	Others - move to EB	Poster	P 4	Hall 3	6th Nov	9:00 AM	10:30 AM

**Terminal Ballistics Poster Session ( P 5 )**

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
81	37592065	Numerical simulation on the penetration efficiency of non-circular rods	Guo	Lei	China	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
82	37472309	BUMPER EFFICACY AGAINST HYPERVELOCITY IMPACT OF PROJECTILES IN A SHOT LINE WITH TEMPORAL SPACING AT HIGH OBLIQUITY	Dhote	K.D.	India	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
83	38817731	Experimental Study on the Characteristics of the Liquid Spurt Caused by Hydrodynamic Ram	Chen	Anran	China	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
84	37196137	oblique penetration of 25mm APDS-T projectile into metal plates - modeling and verification	Shapira	Nimi	Israel	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
85	38041761	Theoretical Study on Head Parameters of Hyper-Cumulation Jet	Xu	Mengwen	China	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
86	37392879	Influence of intermediate layers in reactive armour modules on the protection capability	Liden	Ewa	Sweden	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
87	38038095	Perforation Of Medium Thickness Ductile Metal Plate By Flat-nosed Projectile	Chen	SiMin	China	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
88	38094307	Impact response of a 50 mm thick rolled homogeneous armour against 40 mm armour piercing shots: An experimental study	SAHOO	TRILOCHAN	INDIA	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
89	38162739	Empirical equation for the V50 velocity of small arms armour piercing rounds onto armour steel	Rahbek	Dennis Bo	Norway	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
90	38206731	Damage study and modelling of the ballistic behaviour of ceramic-composite armours impacted by a 7.62mm AP projectile	Camalet	Tristan	France	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM

91	39174555	Model scale experiments of Concrete slabs penetration at supersonic impact velocity and code validation	Pirotais	Olivier	France	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
92	38344817	An Investigation of Armor Bolt Failure Due to Ballistic Events	Chocron	Sidney	United States	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
93	37882901	Research on the penetration law of jet to high-speed thick-wall ammunition	Jia	Xin	China	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
94	38193289	Hypervelocity oblique impact of spherical projectile on thin walled target.	Kambam	Dharma Teja	India	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
95	38093085	Mechanism of multi-layered fragment separation due to high explosive loading	Imtiaz	Azizuddin	India	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
96	37975773	Defeating EFP threats by metallic plates - An optimization study through numerical simulations	Glikin	Leonid	Israel	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
97	37594509	Experimentation using Hot and Cold Steel Plate Targets against 7.62 x 54Rmm B32 API Ammunition	Pitcher	Philip	United Kingdom	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
98	38649095	Firm Embedding Behavior of Annular Grooved Projectiles Impacting Ductile Metal Targets	Huang	Qi	China	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
99	37467421	Damage evaluation and debris plume analysis for spaced target under high velocity impact conditions	Goyal	Rajnish	India	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
100	37495527	A comparison on the ballistic performance of alumina segments with alumina tiles using DOP test method	Savio	SG	India	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
101	38228727	Ricochet and Fragmentation Analysis of Projectile from Impact on Steel Plate and Soil Using Numerical Simulation	Touati	David	Israel	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
102	38239725	Analysis of the Impact Velocity Effect on the Parameters of the Brownian Motion Based Approach for Ballistic Resistance	tahenti	beya	Tunisia	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
103	37252349	Analysis of the effect on the shock initiation performance for booster charge structures parameters	Bin	Liang	China	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM
104	37931781	Comparative Analysis of ALE and Adaptive SPH of Rocket Propelled Grenade (RPG) on Armors	Babu	Venkatesh	US	Terminal Ballistics	Poster	P 5	Hall 3	6th Nov	10:50 AM	12:20 AM

**Launch Dynamics & Interior Ballistics Poster Session ( P 6 )**

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
105	37309783	Numerical Simulation of Gas Flow in Inner Perforation of Partially Cut Stick Propellants	Xiao	Zhenggang	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
106	38298381	IMPLEMENTATION OF A GUMBEL DISTRIBUTION FUNCTION IN INTERIOR BALLISTIC CALCULATIONS FOR DETERRED PROPELLANTS	Adrian	Rotariu	Romania	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
107	38778627	Analysis of the Effect of RDX Particle Size in Propellant on Gun Interior Ballistic Performance	NIE	Kui	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
108	38892273	Utility of piezoelectric pressure waveform in muzzle velocity calculations	Wasilewski	Aleksander	Poland	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
109	38881275	Design and manufacture of a 100kA coaxial pulsed power cable for plasma generator and PPS in ETC Guns	Jin	Yong	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
110	38683311	EVALUATION OF INTERNAL BALLISTICS PROPERTIES OF NATURALLY AGED SOLID PROPELLANT ROCKET MOTOR	Jayakumar	Senthil Kumar	India	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
111	37148479	Application of Flash X-Ray Radiography System in Muzzle Image Diagnosis of Railgun	Tian	Hui	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
112	38210397	Experimental investigation of initial pressure rise with igniter charge mass in single grain rocket motor	ropia	balesh	india	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
113	37901231	Development of Pulse Power Supply Experiment Database Management Platform	Huang	Fei	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
114	38024653	Statistical analysis of Hump factor and augmentation factor of large solid rocket motors	Manickavelu	Thirumorthy	India	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM

115	38550113	A Method to Add High Speed Sliding Boundary Conditions into Moving Electromagnetic Field by Lagrange Multiplier Method	Tang	Bo	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
116	38915491	Experiment of combustion completeness and mechanical intensity of combustible seals in gun propellant charge	Yan	Wenrong	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
117	38018543	Numerical Simulation on the Pressure Wave in a 30mm Electrothermal-Chemical Gun with the Discharge Rod Plasma Generator	Ni	Yanjie	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
118	38133411	Peak Pressure Variation with Grain Fracture: Using a Lumped Model for Projectile Energizing with Seven Perforated Grain	Sharma	Rajneesh	India	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
119	38814065	STUDY ON MECHANICAL PROPERTIES OF ZTH PROPELLANT	ZHANG	Hong-han	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
120	38528117	Preliminary application correctness assessment of physical burning law in IB phenomena modeling in small-caliber guns	Fikus	Bartosz	Poland	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
121	38877609	Simulation of interior ballistic performance of modular charge by two different models	Tong	Xin	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
122	38875165	Multiform damages on the rail of an electromagnetic rail launcher	Wan	Gang	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
123	37870681	Ultrasonic cleaning of weapon components: State of the art technology	BANDHA	KARUNAKAR	INDIA	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
124	38849503	Effect of Random Factors of Charge on Interior Ballistics Performance	Dong	Yancheng	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
125	38077199	Development of Basic Internal Ballistic Model for Propellant Gun Propulsion System	Saha	Himadri	India	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
126	38592883	An experimental method for evaluating the effectiveness of the flame inhibitor	Liu	Zhi-tao	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
127	38828729	Numerical investigation on the mixing and combustion performance of scramjet combustor with a novel strut configuration	Li	Chunlei	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
128	37878013	Study on Properties of Modified Single-base Propellant with High-nitrogen Content	Xu	Bin	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
129	38807955	Optimum Design Study on Internal Ballistic Parameters of Gun Fully Immersed in the Water	Guo	Yinghua	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
130	38128523	Effect and Study of Plume Impingement distance of a supersonic Plume on Axis Symmetric Jet Deflector by Simulation	SHIVDAS	PRASAD	India	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
131	37918339	Research on the influence of prestress of railgun on armature impact rail	Wang	Jun	China	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
132	38247057	Empirical co-relation between burn rate and pressure index of Spherical Gun Propellant in Closed Bomb	Parate	Bhupesh	India	Interior Ballistics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
133	37803471	Development of High Strength Extended Range Full Bore (ERFB) Shell Body for Futuristic 155mm Artillery Guns	Prakash	Rajeev	India	Launch Dynamics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
134	38363147	Fundamental Cause of Projectile Jump and Control of Variability	Shoji	Satoru	Japan	Launch Dynamics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
135	38771295	Investigation of Influences of Barrel Recoil Velocity on Muzzle Flow Field Characteristics	luo	ye	China	Launch Dynamics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
136	38767629	Study on the muzzle flow field characteristics under the influence of the first row side-holes on muzzle brake	luo	ye	China	Launch Dynamics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
137	38127301	Launch dynamics of a canisterised missile	Verma	Akash	India	Launch Dynamics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
138	38789625	Study on Influence Regular of Bore Structure on Band's Engraving Process	Qi	Liu	China	Launch Dynamics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM
139	38763963	SIMULATION METHODOLOGY: EM CO-AXIAL LAUNCHER USING MATLAB	Rani	Amita	India	Launch Dynamics	Poster	P 6	Hall 3	7th Nov	9:00 AM	10:30 AM

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
140	38083309	A SIMULATION MODEL FOR COMPUTATION OF SAFETY DISTANCES OF ARTILLERY GUNS BASED ON CASUALTY CRITERIA	Anand	Anupam	India	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
141	38106527	Ignition and breakup behavior of fuel tank by reactive material fragment	Zheng	Yuanfeng	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
142	37979439	Explosive Induced Shock attenuation in Teflon-An experimental investigation	Sekharan	Harikrishnan	India	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
143	38113859	Numerical Investigation on the Impact Response of Rolled Homogeneous Armor (RHA) with Spall Liners	VETUKURI	VENKATA RAJU	INDIA	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
144	38115081	High strain rate behavior of steel material typically used in armour applications	Banerjee	A	India	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
145	37562737	Possibility of increase in penetration depth into soil and rocky targets of composite projectiles with the tail part thr	Veldanov	Vladislav	Russian Federation	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
146	37875569	Experimental study on the performance of projectiles penetrating multilayer laminated glass	yang	wu	??	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
147	38903271	Effect of Various Backing Materials on BABT in Ballistic Evaluation of Body Armour	Jain	Preeti	India	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
148	37534631	Comparing Numerical Penetration Modeling of a Monobloc Projectile into Class B Armor to Empirical Results	Chewning-Kulick	Travis	USA	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
149	38088197	Ballistic impact analysis of combat helmet on a human head surrogate using 3D-DIC	WEN	YaoKe	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
150	37425873	Numerical and Experimental Study on the Deformation Behavior of 9-mm Parabellum Bullet Impact to the Concrete Target	Dong	Fangdong	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
151	38205509	Study of Polyurea Application in Ceramic Armour Against Long Rod Projectile	Goh	Wei Liang	Singapore	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
152	38575775	Experimental Study on the Effect of Head Cone Angle on the Low Velocity Oblique Inlet Process of Projectile	Luo	Yuchuan	china	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
153	37566403	ASSESSING THE SERVICE LIFE OF AGED BODY AMOUR PRODUCTS (HELMET, VEST AND INSERT)	Ratrou	Riyad	Jordan	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
154	38211619	A unified formula of critical penetration velocity for natural and preformed fragments penetrating into steel target	Zheng	Yu	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
155	38867833	Research on Technology of Launching Projectiles with Preset Attack Angle using an Artillery	Weiliang	GAO	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
156	38910603	A Practical Ballistic Yaw Sensor	Shewchenko	Nicholas	Canada	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
157	37627503	Ballistic performance of brick masonry walls	Rolc	Stanislav	Czech Republic	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
158	37628725	Numerical simulation of ballistic impact on different types of helmets	Rolc	Stanislav	Czech Republic	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
159	37477197	Design of an anti-impact structure of a certain fuze	Han	Mengmeng	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
160	37935447	Research on Bearing Ball Impact on Flat Glass	Haitao	Lu	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
161	38806733	Study of Curvilinear Trajectory of oblique penetration into concrete targets by rigid projectiles	Gao	Xudong	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM
162	38719971	Simulation Study on Dynamic Response Characteristics of Missile-borne Recorder under Impact Loading	Zhao	Hui	China	Terminal Ballistics	Poster	P 7	Hall 3	7th Nov	10:50 AM	12:20 PM

**Exterior Ballistics Poster Session ( P 8 )**

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
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163	37516301	A study on effectiveness of Hydra 70 Rocket improved for lethal area	CHO	DAEGEUN	Republic of Korea	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
164	37197359	Comparison of Computer Codes for Projectile Trajectory Simulation	Gagnon	Eric	Canada	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
165	37427095	Analysis of Online Ballistic Parameters Filtering and Identification Method	Wang	Zhongyuan	China	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
166	38696753	Research on falling position prediction method of long range guided rocket based on surrogate model	He	Xianjun	China	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
167	38756631	A New Consistency Evaluation Method of Mean Trajectory	zhongxiang	xu	China	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
168	38774961	Analysis & Modeling of delay in HILS of Aerospace systems	Sanhith Rao	LAV	India	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
169	37777809	Adaption of Modified Point Mass Model for Efficient Trajectory Parameters Computation of Artillery Rockets	Gite	LK	India	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
170	38134633	Elevations for Maximum Ranges of Projectiles	Padmanabhan	M	India	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
171	38701641	Experimental Studies on Velocity Attenuation Characteristics of Projectile Fragments	GU	Hongping	China	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
172	38757853	Initial Stage Import Technology of Rotary Surface-to-Air Missile Based on Low Cost Strapdown Inertial Navigation System	Zheng	JianQiang	China	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
173	37782697	Simulation of Continuous Shoot Precision for Remote Controlled Weapon Station	lei	jiao	China	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
174	37794917	Trends in Ignition Systems and Related Aerospace Technologies to Empower Interior and Exterior Ballistic Transients	Sanchi	Vara Prasad Rao	India	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
175	38174959	Six-dimensional ballistics of a certain howitzer projectile considered with dynamic unbalance	Zhang	Zhibiao	China	Exterior Ballistics	Poster	P 8	Hall 3	7th Nov	12:20 PM	1:50 PM
176	38544003	A Method For Measuring The Shaped Charge Jet Tip Velocity	Yi-dong	Jing	china	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM

**Explosion Mechanics Poster Session ( P 9 )**

Sno	Proposal ID	Topic Title	Last Name	First Name	Country	Theme Name	Oral/Poster	Allocation	Presentation Hall	Presentation Date	Session Start Time	Session End Time
177	37876791	The Effect of Current Waveform on Shaped Charge Liner Driven by Electromagnetic Energy	Dou	Jianhao	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
178	37307339	STUDY ON THE AXIAL INITIAL VELOCITY DISTRIBUTION CHARACTERISTICS OF PREFORMED FRAGMENT	Shang	Wei	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
179	38108971	STUDY ON JET FORMING AND PENETRATION OF SQUARE CROSS-SECTION SHAPED CHARGE	WANG	Yuting	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
180	37897565	The influence of eccentric wave-shaper on shaped charge jet performance	Wang	Shuyou	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
181	37268235	Test to determine the response level of heterogeneous explosive by fragment shock initiation	Li	Yi-ming	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
182	37941557	Numerical simulation analysis of glass fracture under blast loads	Shan	Yu	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
183	38822619	Study on Shock Initiation of Covered Composition B by Multiple Fragment Impacts	Guo	Chun	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
184	37304895	Modeling of the whole process of shock wave overpressure of free-field air explosion	Li	Shunping	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
185	37983105	Experimental Study on Design of Linear Cutting Charge and Cutting Steel Structure Parts	chuan	yu	P.R.China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
186	38664981	Simulation Analysis of the Influence of Fuel Tank Fuel on the Distribution of Power Field in Missile Warhead	Baohua	Li	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM



187	38772517	Research on the Application of Insensitive Explosives in High Explosive Warhead	Long	Ji	China	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
188	37589621	Effect of geometric out of planar gap on jet formation in multi-pallet type charge mass of shaped charge warheads	ARGADE	GAURAV	INDIA	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
189	37313449	Dynamic response analysis of warhead under dropping	jjiao	min	china	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM
190	37865793	Numerical study of air frame behaviour on fragmentation pattern in multi layered Pre-Formed Fragment Type Warhead	ARGADE	GAURAV	INDIA	Explosion Mechanics	Poster	P 9	Hall 3	7th Nov	4:20 PM	5:50 PM