

## 2nd International Conference on “Sustainable Technologies and Advances in Automation, Aerospace and Robotics (STAAAR 2023)

### List of Best Paper Awards

**Organizing Secretaries:** Dr Rohit Sharma and Dr Shiv Manjaree Gopaliya

#### Session 1A: Materials and Manufacturing

MF203                  Soumya Rai                  Hydrothermal Synthesis and Characterization of Selenium-doped MoS<sub>2</sub> for Enhanced Opto-electronic Properties

#### Session 1B: Materials and Manufacturing

MF239                  Dr Vasugi K                  Forecasting the compressive strength of geopolymer concrete containing e-waste using Ensemble learning

#### Session 2A: Aerospace

AE207                  Shubham Tiwari                  Numerical investigation on the effect of stroke plane inclination on the aerodynamic performance of dragonfly take-off flight

#### Session 2B: Robotics and Control

RO217                  Ashish Tripathi                  Novel design of VTOL Unmanned Aerial Vehicles for transportation of medical supplies

#### Session 3A: Design

DES205                  S.K. Panigrahi                  Numerical Study on the Effect of Spinning for 7.62 APM2 Projectile Impacting on Al 7075-T651 Target

DES206                  Divyanshu S Morghode                  Numerical Analysis of Impact of 7.62 mm APM2 Projectile on Layered Configuration of Al<sub>2</sub>O<sub>3</sub> and Al 7075-T651

#### Session 3B: Thermal

TH202A                  Ravi Jatola                  Enhancement of Low-Frequency Noise for Muffler by Optimizing the Space between Three Degrees of Freedom Helmholtz Resonator

AE217                  Rinisha Tushar Nikhade, Ganapati N Joshi                  Aerodynamic Analysis Of Wing With Protuberances (Humpback Whale Structure) At Different Reynolds Number