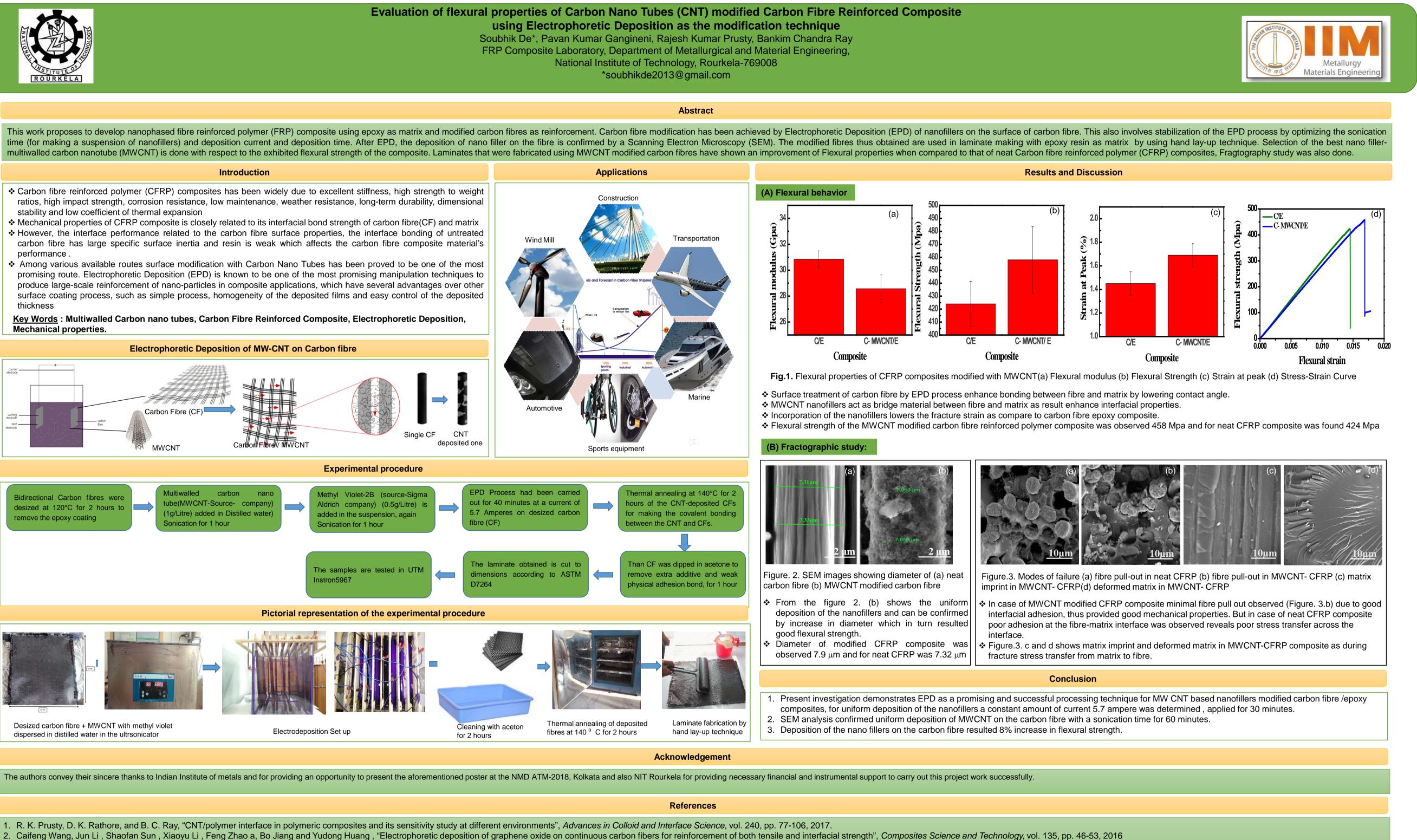


using Electrophoretic Deposition as the modification technique Soubhik De*, Pavan Kumar Gangineni, Rajesh Kumar Prusty, Bankim Chandra Ray FRP Composite Laboratory, Department of Metallurgical and Material Engineering,

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- ratios, high impact strength, corrosion resistance, low maintenance, weather resistance, long-term durability, dimensional stability and low coefficient of thermal expansion
- carbon fibre has large specific surface inertia and resin is weak which affects the carbon fibre composite material's
- Among various available routes surface modification with Carbon Nano Tubes has been proved to be one of the most promising route. Electrophoretic Deposition (EPD) is known to be one of the most promising manipulation techniques to produce large-scale reinforcement of nano-particles in composite applications, which have several advantages over other surface coating process, such as simple process, homogeneity of the deposited films and easy control of the deposited thickness

Mechanical properties.



3. Sheng-Yun Huang, Gang-Ping Wu, Cheng-Meng Chen, Yu Yang, Shou-Chun Zhang and Chun-Xiang Lu, "Electrophoretic deposition and thermal annealing of a graphene oxide thin film on carbon fiber surfaces", Carbon, vol. 52, pp. 605-620, 2013. 4. B. J. C. Thomas, A. R. Boccaccini and M. S. P. Shaffer, "Multi-Walled Carbon Nanotube Coatings Using Electrophoretic Deposition (EPD)", J. Am. Ceram. Soc., vol. 88, pp. 980-982, 2005.

