



Topic: Recycled composite material

TITLE: Handlebar for electric push scooter designed, manufactured and tested with recycled carbon-fiber prepress

RESEARCH ACTIVITIES: Within a PRIN project the student will get involved in a cutting-edge project on studying and developing a new carbon-fiber, epoxy-resin recycled composite, doped with a piezoelectric powder for self-sensing purposes. A design for a battery pack shall also be delivered. The duration of the thesis is expected in 6-9 months, and foresees a 3-day trip at University of Bologna where the component will be manufactured and tested.

METHODOLOGY: experimental and numerical.

DURATION: 6-9 months

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COLLABORATIONS:

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DIN, UniBo