



NEWS

El Camino College | Public Relations & Marketing Department
16007 Crenshaw Blvd., Torrance, CA 90506
Contact: Ann M. Garten, Director, Community Relations
Telephone: (310) 660-3406 | Email: agarten@elcamino.edu

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The World's First 3-D—Printed Vehicle to Visit El Camino College *See Why Everyone's Eager to Print Their Ride!*

As part of its world tour, the very first 3-D—printed, zero-emission car will make a stop at El Camino College from noon to 5:00 p.m. January 26 on the Library Lawn.

Local Motors, an Arizona-based motor vehicle manufacturing company, originated the idea for the new car and with the help of Italian auto designer and Local Motors contest winner Michele Anòè, the roadster design was developed. Named “Strati,” which means “layers” in Italian, the car’s body, seats, and structure all were printed. The process involves stacking many layers of the printed plastic and carbon fiber compound, then molding the pieces into the necessary shapes.

Strati’s appearance at El Camino College is intended to showcase the latest in manufacturing technology, while encouraging students to discover all the options available in science, technology, engineering and math (STEM) fields.

“Everyone is invited come experience and witness the exciting innovations in manufacturing technology and see the many possibilities and fun found in STEM education,” said Kimberly Davis, El Camino College’s STEM program coordinator. “You don’t need glasses for this 3-D event!”

The car was brought to life at the International Manufacturing Technology Show (IMTS) in Chicago this past fall, where a team built the vehicle at the event and drove it right off the tradeshow floor. Cincinnati, Inc. provided a 3-D printer big enough to print the car, Oak Ridge National Laboratory (ORNL) provided advanced materials research and SABIC Innovative Plastics provided the carbon fiber reinforced compound.

The Strati’s power train, suspension, steering system, seats, lights, wheels, and tires were borrowed from the Spanish-made Renault Twizy, a small electric car. The Strati is still in its prototype phase.

The 3-D car visit is sponsored by the El Camino College STEM program and the Natural Sciences Division. A time-lapse video of the Strati build is available at www.youtube.com/watch?v=daioWlkH7ZI.

For more information, contact STEM Program Coordinator Kimberly Davis at 310-660-3593, extension 3548, or via email at ksdavis@elcamino.edu.

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