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One of the four Carnegie Museums of Pittsburgh

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NEXT CAFÉ SCI TO EXPLORE BIOLOGICAL ELECTRICITY

PITT PROFESSOR EXPLORES HOW ENGINEERS ARE INNOVATING WITH BIOFILMS

PITTSBURGH, March 3, 2017 — What is a biofilm and how can it generate electricity? At Carnegie Science Center's next Café Scientifique, engineering professor David Sanchez will discuss how engineers are harnessing the electricity of biofilms to create sustainable technologies. This free event will take place on Monday, March 13, from 7 – 9 pm.

During his talk, Sanchez will explain why bacteria are the “best chemists in the world.” Biofilms play a central role in an ecosystem's ability to sustain life and provide goods and services for economic development. In the biosphere, biofilms support key chemical transformations that clean water, provide fertilizer, and allow food to be digested.

Sanchez's presentation will examine how engineers are electrically harnessing the talents of biofilms to solve water and energy challenges facing natural systems and the built environment.

Sanchez is an assistant professor in the Civil and Environmental Engineering Department at the University of Pittsburgh. His research focuses on engineering biofilm-electrodes, improving water disinfection technologies for aquaculture, and creating real-time environmental quality sensor platforms.

After the talk, audience members will be invited to ask questions and become part of the discussion. Admission to Café Sci is free. Food and drinks are available for purchase. Doors open at 6 pm. The evening includes time for informal discussion, eating, and drinking.

For more information and to register, visit CarnegieScienceCenter.org or call 412.237.3400.

About Carnegie Science Center

Carnegie Science Center is dedicated to inspiring learning and curiosity by connecting science and technology with everyday life. By making science both relevant and fun, the Science Center's goal is to increase science literacy in the region and motivate young people to seek careers in science and technology. One of the four Carnegie Museums of Pittsburgh, the Science Center is Pittsburgh's premier science exploration destination, reaching more than 700,000 people annually through its hands-on exhibits, camps, classes, and off-site education programs.

About Carnegie Museums of Pittsburgh

Established in 1895 by Andrew Carnegie, Carnegie Museums of Pittsburgh is a collection of four distinctive museums: Carnegie Museum of Art, Carnegie Museum of Natural History, Carnegie Science Center, and The Andy Warhol Museum. In 2016, the museums reached more than 1.4 million people through exhibitions, educational programs, outreach activities, and special events.

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