

David Berube

Clinical Professor of Physics at Loyola Marymount University

Los Angeles, CA, US

Seaver College of Science and Engineering

Biography

Contact: Phone: 310.338.5137 Email: dberube@lmu.edu Office: Seaver Science Hall 104 Dr. Berube received his B.S. in physics in 2000 from Loyola Marymount University. While a student at LMU, he had the opportunity to conduct research in space physics with Dr. Jeff Sanny. He liked it so much that he decided to pursue a Ph.D. in geophysics and space physics. After receiving his Ph.D. in 2007, Dr. Berube returned to LMU to teach and conduct research in the physics department, where he has been ever since. Dave's main research interest is the investigation of the interaction of the solar wind with the Earth's magnetosphere. Specifically, he studies properties of ultra-low-frequency (ULF) waves in Earth's magnetic field. These waves are important because they may play a crucial role in the acceleration of electrons in space to extremely high energies. These "killer electrons" have been responsible for many spacecraft failures. Dr. Berube loves having undergraduate students participate in research; he and Dr. Sanny hire several students each summer. Dr. Berube is also the program coordinator for ACCESS (A Community Committed to Excellence in Scientific Scholarship). ACCESS prepares incoming freshmen in the Seaver College of Science and Engineering for academic excellence through collaborative engagement in scientific scholarship. In his spare time, Dr. Berube enjoys hiking, making his own beer, and exploring Los Angeles.

Industry Expertise

Education/Learning, Research

Areas of Expertise

Solar Wind, Magnetosphere

Education

University of California, Los Angeles
Ph.D. Geophysics and Space Physics

University of California, Los Angeles
M.S. Geophysics and Space Physics

Loyola Marymount University
B.S. Physics

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