

**COMMITTEE ON SCIENCE, SPACE AND TECHNOLOGY
U.S. HOUSE OF REPRESENTATIVES**

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CARBON UPCYCLING: TURNING CARBON DIOXIDE (CO₂) INTO CO₂NCRETE

SHORT NARRATIVE BIOGRAPHY:

GAURAV N. SANT
ASSOCIATE PROFESSOR AND HENRY SAMUELI FELLOW: CIVIL AND ENVIRONMENTAL
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Gaurav Sant is Associate Professor and Henry Samueli Fellow in the Departments of Civil and Environmental Engineering and Materials Science and Engineering and a member of the California Nanosystems Institute at the University of California, Los Angeles (UCLA).

He earned his B.S.C.E (2006), M.S.C.E (2007) and Ph.D. (2009) in civil engineering from Purdue University in West Lafayette, IN and spent a post-doctoral year (2010) at the Ecole Polytechnique Federale de Lausanne (EPFL) in Lausanne, Switzerland.

Gaurav has authored over 100 papers in peer-reviewed journals, and conference publications. Gaurav has been a recipient of the: CAREER Award (2013), Hellman Fellowship (2013), Walter P. Moore Jr., Faculty Achievement Award (2016) and J.-C. Roumain Innovation in Concrete Award (2016) and the Gustavo Collonetti Medal (2017).

Gaurav's research is focused on better understanding the relationships between the composition, structure and properties of inorganic structural materials including: natural and synthetic minerals, concrete, glasses, alloys, and bio-materials. He has special expertise in developing new pathways for the beneficial utilization of carbon dioxide (CO₂) in construction materials.

Gaurav is a member of the American Concrete Institute, ASTM International, RILEM: The International Union of Laboratories and Experts in Construction Materials, Systems and Structures, the American Ceramic Society, and the American Chemical Society.