MEHDI OMIDVAR, CE ’15

Civil engineering doctoral student Mehdi Omidvar is not afraid to get his hands dirty. As a graduate research assistant, he explores the dynamics of penetration into granular media, using transparent soils. He is studying micro-scale soil-structure interactions during pile installation and is developing methods for mapping kinematics of motion by tracking the movement of individual soil grains. Mehdi published six articles in top journals from his PhD work and collaborated with other graduate students on four more.
TRANSFORM THE FUTURE OF CIVIL AND URBAN INFRASTRUCTURE, TRANSPORTATION AND THROUGH INNOVATION

BETTER FUTURE

SOPHIA MERCURIO, CE ‘15

articles in leading journals and is working on a third.

middle, and high school students to pursue STEM

the School's K-12 STEM initiative, she works as a

modeling of contaminant transport . Through

Sophia enthusiastically conducts research in

prepare our students to become engineers of

With the expertise of a distinguished community

research with students to prepare them for

developing and managing civil infrastructure

pioneering research to innovate methods of

The Department of Civil and Urban Engineering

and logistics.

managers in transportation operations

management. Graduates go on to become

with a focus on intelligent transportation

environmental chemistry and microbiology,

focus on sustainable use of natural resources

in the development and implementation of intelligent

Students receive daily exposure to engineering

through the department’s involvement in

Students receive daily exposure to engineering

specialize in sustaining and upgrading

often lead on teams of research

and statistics.

and high school students, working on initiatives

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and statistics. This is a well-organised and informative description of the Department of Civil and Urban Engineering, its graduate programs, research areas, and career opportunities. The inclusion of real names and specific examples highlights the impact and success of the department's initiatives. The mention of industry partnerships and funding highlights the practical and real-world relevance of the programs. The text is clear and concise, making it accessible to a wide range of readers. The inclusion of specific names and positions provides a human element to the description, making it more engaging and relatable. Overall, the text is well-written and effective in conveying the strengths and opportunities of the Department of Civil and Urban Engineering.