

Amir AghaKouchak

Professor of Civil & Environmental Engineering at UC Irvine

Irvine, CA, US

Amir AghaKouchak studies how climate change and variability influence extreme events (flood/drought/heatwaves) and compound hazards.

Biography

Amir AghaKouchak is a Professor of Civil and Environmental Engineering and Earth System Science at the University of California, Irvine. His research focuses on natural hazards and climate extremes and crosses the boundaries between hydrology, climatology, remote sensing. One of his main research areas is studying and understanding the interactions between different types of climatic and non-climatic hazards including compound and cascading events. He has received a number of honors and awards including the American Geophysical Union's James B. Macelwane Medal and the American Society of Civil Engineers (ASCE) Huber Research Prize. Amir is currently serving as the Editor-in-Chief of Earth's Future. He has served as the principal investigator of several interdisciplinary research grants funded by the National Aeronautics and Space Administration (NASA), National Science Foundation (NSF), and National Oceanic and Atmospheric Administration (NOAA). Amir has a passion for nature and landscape photography, and he uses his photos for creating educational materials.

Areas of Expertise

Climate Extremes, Climatology, Climate Change, Flood, Drought, Heatwave, Hydrology, Remote Sensing of the Environment

Education

University of Stuttgart

PhD Civil and Environmental Engineering

K.N. Toosi University of Technology

MSc Civil Engineering

K.N. Toosi University of Technology

BSc Civil Engineering

Accomplishments

ASCE Huber Prize

2020

AGU Fellow
2019

American Geophysical Union's Macelwane Medal
2019

AGU Hydrologic Sciences Early Career Award
2017

IAHS/STAHY Best Paper Award
2017 Cheng, L., Aghakouchak, A. Nonstationary precipitation intensity-duration-frequency curves for infrastructure design in a changing climate (2014) Scientific Reports, 4, art. no. 7093

Outstanding ASCE Faculty Advisor
2016

Orange County Engineering Council (OCEC) Distinguished Educator Award
2016

Frontiers of Engineering Education (FOEE) Award
2014 National Academy of Engineering (NAE) of the National Academies

[Please click here to view the full profile.](#)

This profile was created by [Expertfile.](#)