



2019 Scholar on Campus Nominee: Hamid Norouzi, PhD, PE

Dr. Norouzi is an associate professor in the Department of Construction Management and Civil Engineering Technology at New York City College of Technology where he has been a full-time faculty member since 2011. He also holds a joint appointment at the Graduate Center of CUNY in the department of Earth and Environmental Sciences (EES) as doctoral faculty. Prof. Norouzi completed his PhD in Civil Engineering (Water Resources, remote sensing) at the CUNY-Graduate Center. His research interests lie in the area of using GIS and satellite remote sensing observations in various geoscience and earth system sciences. It includes using satellite information in climate studies, urban heat islands, studying lakes, soil moisture estimation, precipitation, and estimation of soil freeze/thaw states.

Dr. Norouzi's research is under the Center for Remote Sensing of Earth System Sciences (ReSESS) at City Tech where he has proudly mentored/co-mentored 2 post-doctoral researchers, 6 PhD and Masters students and more than 60 undergraduate students all from City Tech, Graduate Center, City College, University of California-Irvine, University of California-Berkeley, Shiraz University, the College of New Jersey, Hamilton College, St Olaf College, and Cary Institute of Ecosystem Studies among others. With his team, he has published over 23 papers in various peer-reviewed journals as well as a book chapter, and has presented his work at over 60 international and national conferences. His earlier Global Land Surface Emissivity Data was published as an official NASA National Snow and Ice Data Center (NSIDC) product to be used by the scientific community. Moreover, his research collaboration on the desiccation of Lake Urmia as an environmental disaster has received media attention numerous times.

Dr. Norouzi has been awarded several research grants from the Department of Defense (DoD), Army Research Office (ARO), National Oceanic Atmospheric Administration (NOAA), National Science Foundation (NSF), and National Aeronautics and Space Administration (NASA). He has served as reviewer/panelist for many journals in his field, and for several NSF, NASA, and Department of Defense (DoD) grant proposals.

In addition to his scholarly work, Dr. Norouzi serves as the Director of Undergraduate Research at City Tech where he oversees the Emerging Scholars Program (ESP) and the CUNY Research Scholars Program (CRSP) and co-coordinates the NSF Louis Stokes Alliances for Minority Participation (LSAMP) program. In these roles, he has a passion to attract as many undergraduate students as possible to research and to improve the quality of research activities at City Tech. Dr. Norouzi and his colleagues on the Undergraduate Research Committee have been able to improve the retention of students in research activities especially in the past three

years. He is a registered Professional Engineer (PE) in New York and Texas. Dr. Norouzi is a member of NASA Land Surface Working Group (LSWG) of Global Precipitation Mission, and an active member of the Global Lake Ecological Observatory Network (GLEON) association. He is also a member of American Geophysical Union (AGU), American Society of Civil Engineers (ASCE), and the Institute of Electrical and Electronics Engineers (IEEE) Geoscience and Remote Sensing Society (GRSS).