

Jeremy Pal

Graduate Program Director and Professor of Civil Engineering and Environmental Science at Loyola Marymount University

Los Angeles, CA, US

Seaver College of Science and Engineering

Biography

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Dr. Jeremy Pal received his AA from Santa Monica College in 1991, BS in Civil Engineering from Loyola Marymount University (LMU) in 1994, and MS and PhD Environmental Engineering from the Massachusetts Institute of Technology in 1997 and 2001, respectively. He is a professor in the Department of Civil Engineering and Environmental Science at LMU where he teaches a variety of courses related to hydrology and water resources as well as climate change and sustainability. Prior to joining the LMU faculty in 2006, Dr. Pal worked as a research scientist in the Earth System Physics Group for the Abdus Salam International Centre for Theoretical Physics (ICTP) in Italy, an agency that operates under the UNSESCO umbrella with the mission to foster the growth of research in developing nations. He was a member of the Intergovernmental Panel on Climate Change, which was a co-recipient of the Nobel Peace Prize in 2007. He also has experience with various consultancies including the Eastern Nile Technical Regional Office in Ethiopia and the Singapore MIT Alliance for Research and Technology in Singapore.

Dr. Pal has over 20 years of experience in the field of climate change and its impacts on water resources and the hydrologic cycle; extreme climatic events including flood, drought, and heat waves; agriculture; and human health. Other areas of expertise include the impacts of land cover and landuse change on surface climate and the role of land surface conditions in the prediction of flood and drought. To assess and project these impacts, he employs a variety of complex numerical models, including earth system, hydrologic, wetlands, and water resources management models, as well as analyzes a number of surface and satellite observational datasets. He was the co-lead developer of the ICTP Regional Climate Model, one of the most internationally recognized and used models. He has over 50 peer-reviewed publications, including in top journals such as Nature Climate Change and the Proceedings of the National Academy of Sciences; as well as several book chapters and consultancy reports. Furthermore, he has delivered numerous invited presentations on the topics of his research.

Industry Expertise

Civil Engineering, Education/Learning, Research, Environmental Services

Areas of Expertise

Climate Change and Impacts, Earth System Modeling, Hydroclimatology, Water Resources, Flood Drought Heatwaves, Land Cover Change

Affiliations

Engineers Without Borders, American Society of Civil Engineers, Tau Beta Pi, American Geophysical Union, American Meteorological Society

Education

Massachusetts Institute of Technology
Ph.D. Civil and Environmental Engineering

Massachusetts Institute of Technology
M.S. Civil and Environmental Engineering

Loyola Marymount University
B.Sc. Civil Engineering

Santa Monica College
AA General Studies

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