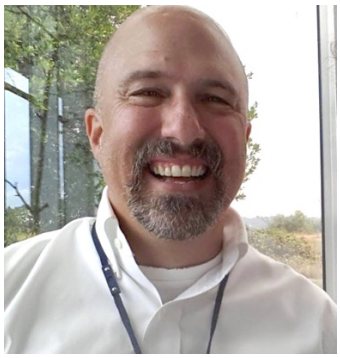
Christopher W. Moore

Oceanographer/Systems Developer
NOAA Center for Tsunami Research
Pacific Marine Environmental Laboratory
National Oceanic and Atmospheric Administration



7600 Sand Point Way NE
Seattle, WA 98115
T +1 (206) 526-6779
F (206) 526-6485
christopher.moore@noaa.gov
http://nctr.pmel.noaa.gov/

Profile

Christopher W. Moore is a principal investigator with the NOAA Center for Tsunami Research, the tsunami research team of NOAA's Pacific Marine Environmental Laboratory in Seattle, Washington. His undergraduate degree is in Physics from the University of California, Santa Cruz, and he received his Master's in Physical Oceanography in 1996 at the University of Washington. He is a lead developer of the NOAA tsunami forecast system and a modeler with extensive background in computational mathematics and parallelization. As a developer of the SIFT forecast system, he is interested in real-time DART buoy data assimilation. He authored the Community Model Interface for Tsunami (ComMIT): a tool that allows running the operational MOST model to produce inundation maps and has taught over 30 workshops world-wide to create critical evacuation maps as part of the TsunamiReady program.

Research Interests

Numerical modeling of water waves; long wave modeling; data assimilation techniques, tsunami measurements, tsunami modeling, tsunami forecast.

Selected Publications

Fry, B., S.-J. McCurrach, K. Gledhill, W. Power, M. Williams, M. Angove, D. Arcas, and C. Moore (2020): Sensor network warns of stealth tsunamis, *Eos, 101,* doi: 10.1029/2020EO144274.

Rabinovich, A.B., V.V. Titov, C.W. Moore, and M.C. Eblé (2017): The 2004 Sumatra tsunami in the southeastern Pacific Ocean: New global insight from observations and modeling, *J. Geophys. Res.*, 122, 7992–8019, doi: 10.1002/2017JC013078.

Tang, L., V.V. Titov, C. Moore, and Y. Wei (2016): Real-time assessment and modeling of the 16 September 2015 Chile tsunami. *Pure Appl. Geophys*., 173(2), 369–387, doi: 10.1007/s00024-015-1226-3.

Dall'Osso, F., D. Dominey-Howes, C. Moore, S. Summerhayes, and G. Withycombe (2014): The exposure of Sydney (Australia) to earthquake-generated tsunamis, storms and sea level rise: a probabilistic multi-hazard approach. *Sci. Rep*., 4, 7401, doi: 10.1038/srep07401.

Gica, E., V.V. Titov, C. Moore, and Y. Wei (2015): Tsunami simulation using sources inferred from various measurement data: Implications for the model forecast. *Pure Appl. Geophys*., 172(3–4), 773–789, doi: 10.1007/s00024-014-0979-4.

Greenslade, D.J.M., A. Annunziato, A. Babeyko, D. Burbidge, E. Ellguth, N. Horspool, T. Srinivasa Kumar, Ch. Patanjali Kumar, C. Moore, N. Rakowsky, T. Riedlinger, A. Ruangrassamee, P. Srivihok, and V.V. Titov (2014): An assessment of the diversity in scenario-based tsunami forecasts for the Indian Ocean. *Cont. Shelf Res.*, 79, 36–45, doi: 10.1016/j.csr.2013.06.001.

Kânoğlu, U., V.V. Titov, B. Aydin, C. Moore, T.S. Stefanakis, H. Zhou, M. Spillane, and C.E. Synolakis (2013): Focusing of long waves with finite crest over a constant depth. Proc. Roy. Soc. Lond. A, 469(2153), 20130015, doi: 10.1098/rspa.2013.0015.