

Dr. Jiasong Fang

Dr. Fang is lead science of the DOME programme. He is a Distinguished Professor in Shanghai Ocean University. He received his Master's degree in marine geochemistry from Louisiana State University, Baton Rouge, LA, and Ph.D. degree in oceanography from Texas A&M University, College Station, TX, USA. Currently, Dr. Fang is Editor-in-Chief of Deep-Sea Research I, Oceanographic Research Papers.

Dr. Fang has been the Director of the Shanghai Engineering Research Center of Hadal Science and Technology (HAST) in Shanghai Ocean University (SHOU) since 2018. During his tenure in SHOU, he actively promoted research and education in hadal science and technology in China and around the globe. He organized and chaired the first and second international hadal summit in 2016 and 2019 (which was interrupted due to the Covid pandemic). In HAST, he built the world's first Hadal Trench Movable Laboratory (HTML), a platform for sampling and observations in all oceans at all depths, including the hadal trenches. HTML includes a 3200-tonne mothership *Songhang*, 6 FOD Landers (Gen I&II), 7 sets of PR samplers and measurement devices, two Seabird 911 Plus CTD sampling devices, and several sediment corers. SHOU scientists have extensive sea-going experience and have conducted over 11 deep ocean cruises in the past decade.

Dr. Fang built the first public ocean science and technology education base, which offers the general public ocean science education (ocean literacy). Every year, about 20,000 visitors come to the base for our specially designed courses, audio-videos, books, and education materials (see photos below).



HAST ocean science and technology education base for domestic and international visitors.

In the past seven years, Dr. Fang led HAST with significant research funding, with funded projects including one project funded by the Ministry of Science and Technology (MOST) of China for 18.53 million RMB, three projects funded by the National Natural Science Foundation of China (NSFC) for 5.65 million RMB, one project funded by MOST and MOE (Ministry of Education of China) for 5 million RMB, one project funded by the Department of Education of the Shanghai Municipal Government for 25 million RMB, and one project funded by the Lin-Gang Special Area of Shanghai for 89 million RMB. The total research funding awarded to Dr. Fang is 145 million RMB in seven years (2017-2023).

In executing the MOST 18.53 M project (2018-2021), seven sets of full-ocean-depth (FOD) pressure-retaining (PR) sampling and measurement devices were developed. These devices will be shared with other researchers and used for the DOME programme.