The Greater Bay Area Symposium for Wave Functional Materials was held on 16-17 Oct, 2021. The William Mong Institute of Nano Science and Technology was one of the sponsors of this Symposium. As the Greater Bay Area of China have ever increasing number of researchers in the area of metamaterials and nanophotonics, it was delighted to have the opportunity to gather and have more discussions, deepening the collaborations between universities and research institutes in this exciting area.