

## **Abstract**

During this talk, we first review some results about the deep holes of generalized Reed-Solomon codes. Then for doubly-extended Reed-Solomon codes, new constructions of deep holes are given. And the constructions find all the deep holes for some doubly-extended Reed-Solomon codes. This is a joint work with Daqing Wan (University of California, Irvine) and Krishna Kaipa (IISER, Pune).