

Crypto-Math CREST mini-workshop

“Quantum computation and cryptography”

on recent trends and perspectives in the interaction of quantum theory and number theory, cryptography.

Date: September 12, 2022

The venue : Floor12, Dwango Seminar Room

KABUKIZA TOWER, 4-12-15 Ginza, Chuo-ku, Tokyo, 104-0061 Japan

Sponsorship: DWANGO Co., Ltd.

13:00 - 13:10 Opening remarks,

Prof. Tsuyoshi Takagi (Project leader of Crypto-Math CREST, Univ. Tokyo)

13:10 - 14:40 Quantum walks and zeta functions,

Prof. Shingo Sugiyama (College of Science and Technology, Nihon Univ.)

Dr. Cid Reyes-Bustos (NTT Institute for Fundamental Mathematics)

14:40 - 15:00 break

15:00 - 16:30 IUT theory, Number theory and quantum computation,

Prof. Ivan Fesenko (Univ. Warwick & Kyoto Univ.)

16:30 - 17:00 discussion