Zeta Functions in OKINAWA 2022

Date December 2–3, 2022

Venue Room B6, Okinawa Convension Center (Ginowan, Okinawa)

Organizers Masato Wakayama (NTT Institute for Fundamental Mathematics)
Hiroyuki Ochiai (Kyushu University)
Kazufumi Kimoto (University of the Ryukyus)
Yasufumi Hashimoto (University of the Ryukyus)

Program

Dec. 2 (Fri.)

10:00 – 11:00 Shin-ya Koyama (Toyo University)
Chebyshev's bias via the Deep Riemann Hypothesis

11:20 – 12:20 Yasufumi Hashimoto (Univesity of the Ryukyus)
Universality of the Selberg zeta fuction

14:00 – 15:00 Masato Wakayama (NTT Institute for Fundamental Mathematics)
Problems on spectral zeta functions for quantum interactions

15:20 – 16:20 Cid Reyes-Bustos (NTT Institute for Fundamental Mathematics)
Structure and eigenvalues of group-subgroup pair graphs

Dec. 3 (Sat.)

10:00 – 11:00 Kazufumi Kimoto (Univesity of the Ryukyus)
Linear relations for Bernoulli numbers and congruence involving harmonic sums

11:20 – 12:20 Shai Haran (Technion - Israel Institute of Technology)
Non-Additive Geometry and Ramanujan sums

14:00 – 15:00 Hiroyuki Ochiai (Kyushu University)
On a hypergeometric expression of $\zeta(2)$

15:20 – 16:20 Shingo Sugiyama (Nihon University)
Quantum probability theory and the Hecke algebra of p-adic PGL(2)