RIMS "Research on algebraic combinatorics, related groups and algebras"

December 10 (Monday) – December 13(Thursday), 2018
RIMS, Kyoto University
Organizer:Manabu Oura (Kanazawa Univ.)

Monday, December 10

10:00-10:30　Shoma Sugimoto (Kyoto Univ.)
　　　　　　Realizations of ADE type logarithmic principal W-algebras
10:40-11:10　Hiroshi Yamauchi (Tokyo Woman's Christian Univ.)
　　　　　　VOAs with group-like fusion and quadratic forms
11:20-12:10　Ching Hung Lam (Academia Sinica)
　　　　　　Automorphism groups of some holomorphic VOAs of central charge 24
14:00-14:50　Fumihito Oda (Kindai Univ.)
　　　　　　The abstract Burnside rings
15:00-15:30　Tsuyoshi Miezaki (Univ. of the Ryukyus), Manabu Oura (Kanazawa Univ.),
　　　　　　Tadashi Sakuma (Yamagata Univ.), Hidehiro Shinohara
　　　　　　The Tutte polynomials of genus g
15:50-16:20　Yusuke Kobayashi (Chiba Univ.)
　　　　　　A construction of the Rudvalis graph from the Fano plane
16:30-17:00　Takuya Ikuta (Kobe Gakuin Univ.)
　　　　　　Complex Hadamard matrices coming from association schemes

Tuesday, December 11

10:00-10:30　Nur Hamid (Nurul Jadid University, Kanazawa Univ.),
　　　　　　Masashi Kosuada (Yamanashi Univ.), Manabu Oura (Kanazawa Univ.)
　　　　　　Symmteric Group and Classical Invariant Theory
10:40-11:30　Kenji Akiyama, Chihiro Suetake
　　　　　　Generalized Hadamard matrices
　　　　　　with a hole and projective planes of prime order
11:40-12:10　Yoshihiro Otokita (Chiba Univ.)
　　　　　　Defect groups, inertial quotients and fixed point algebras
14:00-14:50　Tomoyoshi Ibukiyama (Prof.Emeritus at Osaka Univ.)
　　　　　　Automorphic differential operators and special polynomials
15:05-15:55　Eiichi Bannai (Prof.Emeritus at Kyushu Univ.)
　　　　　　Unitary t-groups
16:10-17:00　Michio Ozeki (Prof.Emeritus at Yamagata Univ.)
　　　　　　On the problem of the lattice covering radius by spheres

Wednesday, December 12

10:00-10:50	Koji Chinen (Kindai Univ.)
	Construction of extremal invariant polynomials
	not satisfying the Riemann hypothesis
11:00-11:50	Iwao Sato (National Institute of Technology, Oyama College)
	Ihara zeta function and quantum walk
14:00-15:00	Hiroshi Nozaki (Aichi Univ. of Education)
	Maximal 2-distance sets containing the regular simplex
15:15-16:05	Hiroaki Taniguchi (National Institute of Technology, Kagawa College)
	Distance regular graphs arising from dimensional dual hyperovals
16:20-17:00	Yuki Irie (Tohoku Univ.)
	Take-away games with the same Sprague-Grundy function as Nim

Thursday, December 13

10:00-10:50	<u>Akihiko Hida</u> (Saitama Univ.),
	Masao Kiyota (Prof.Emeritus at Tokyo Medical and Dental Univ.)
	Character degree products and class length products of some finite groups
11:00-11:50	Satoshi Yoshiara (Tokyo Woman's Christian Univ.)
	The Cayley graphs determined by functions on finite fields

In case of multiple names, a speaker is indicated by an underline.