

# Infinite Analysis

March 17th (Mon) Conference Room VIII

## 10:00–11:30

- [11-01-0015](#)  
1 Diogo Kandy Matsumoto # Idempotent Yang–Baxter Maps ..... 10  
(Waseda Univ.)
- [11-01-0006](#)  
2 Tetsuya Itoh (Kyoto Univ.) # Generic quantum braid representations and Garside theory ..... 15
- [11-01-0007](#)  
3 Takuya Matsumoto (Utrecht Univ.) # The Drinfeld realization of the Yangian algebra associated with the  
Alexander Moley (Univ. of Sydney) centrally extended  $\mathfrak{sl}(2|2)$  Lie superalgebra ..... 15
- [11-01-0010](#)  
4 Hiroyuki Yamane \* Irreducible representations of generalized quantized algebras ..... 15  
(Osaka Univ./Univ. of Toyama)  
Saeid Azam (Univ. of Isfahan)  
Malihe Yousofzadeh (Univ. of Isfahan)
- [11-01-0011](#)  
5 Yoshihiro Takeyama # A discrete analogue of periodic delta Bose gas and affine Hecke algebra  
(Univ. of Tsukuba) ..... 15

## 14:15–15:00

- [11-01-0013](#)  
6 Tatsuya Hayashi # Non-symmetric commuting differential operators ..... 15  
(Aoyama Gakuin Univ.)
- [11-01-0005](#)  
7 Kanehisa Takasaki (Kyoto Univ.) # Generalized Ablowitz–Ladik hierarchy in topological string theory .... 20

## 15:15–16:15 Talk invited by Infinite Analysis Special Session

- [11-02-0002](#)  
Todor Eliseev Milanov (Univ. of Tokyo) # Hirota bilinear equations in singularity theory

March 18th (Tue) Conference Room VIII

## 10:00–11:30

- [11-01-0004](#)  
8 Kohei Motegi # Integrable models and Grothendieck polynomials ..... 15  
(Okayama Inst. for Quant. Phy.)  
Kazumitsu Sakai (Univ. of Tokyo)
- [11-01-0002](#)  
9 Genki Shibukawa (Kyushu Univ.) # Multivariate circular Jacobi polynomials ..... 20
- [11-01-0014](#)  
10 Takeshi Morita (Osaka Univ.) # A connection formula of a divergent basic hypergeometric function  
 ${}_3\varphi_0(a_1, a_2, a_3; -; q, x)$  ..... 15
- [11-01-0012](#)  
11 Atsuo Kuniba (Univ. of Tokyo) # Tetrahedron equation and quantum R matrices for  $q$ -oscillator repre-  
Masato Okado (Osaka City Univ.) sentations ..... 15
- [11-01-0008](#)  
12 Mitsuru Shibayama (Osaka Univ.) # Non-integrability criterion for homogeneous Hamiltonian systems via  
blowing-up technique of singularities ..... 15

## 14:15–15:15 Talk invited by Infinite Analysis Special Session

- [11-02-0001](#)  
Takao Suzuki (Kinki Univ.) # Higher order Painlevé system, rigid system and hypergeometric function