

International Workshop on  
Discrete Mathematics and its Applications

(Ibaraki University, Hitachi Campus, August 1 - 4, 2006 Ver.2 )

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August 1 (Tuesday)

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12:30 ~ Reception

13:10 ~ 13:15 Opening

13:15 ~ 13:55 **Invited Talk:** Katsuhiko Ota  
*Toughness of  $K_{a,t}$ -Minor-free Graphs*

13:55 ~ 14:20 Ryuichi Mori  
*(4,4)-Linked Graphs on Closed Surfaces*

————— Coffee Break —————

14:40 ~ 15:30 **Invited Talk:** Xueliang Li  
*Monochromatic and Heterochromatic Subgraphs in Edge-Colored Graphs*

————— Coffee Break —————

15:50 ~ 16:15 Kiyoshi Ando  
*Subgraphs in a Contraction Critically 5-Connected Graph*

16:15 ~ 16:40 Shu Nakagawa  
*5-Critical Graphs on Surfaces*

————— Coffee Break —————

17:00 ~ 17:50 **Invited Talk:** Linda Lesniak  
*Distinguishing Vertices in a Graph*

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18:20 ~ 20:00 Party

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August 2 (Wednesday)

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9:00 ~ 9:50

**Invited Talk:** Ronald Gould  
*A Look at Cycles Containing Specified Elements*

————— Coffee Break —————

10:10 ~ 10:35

Shinya Fujita, Akira Saito\* and Tomoki Yamashita  
*Edge-Dominating Cycles in Graphs*

10:35 ~ 11:00

Kenta Ozeki  
*The Cycles Passing Through Specified Edges*

————— Coffee Break —————

11:20 ~ 11:40

Seiya Negami  
*3-Connected Planar Graphs are 2-Distinguishable with few Exceptions*

11:45 ~ 12:10

Raiji Mukae  
 *$K_6$ -Minors in Triangulations and Complete Quadrangulations*

————— Lunch —————

14:10 ~ 15:00

**Invited Talk:** Kazuhiro Suzuki  
*Alternating Trees of Edge Colored Graphs*

————— Coffee Break —————

15:20 ~ 15:45

Mikio Kano, Mikio Oda\* and Kazuhiro Suzuki  
*The Number of Monochromatic Spanning Trees in a Colored Complete Graph (1)*

15:45 ~ 16:10

Mikio Kano and Miyuki Uno\*  
*Visual Cryptography Schemes with Dihedral Group Access Structure for Many Images*

————— Coffee Break —————

16:30 ~ 16:55

Iwao Sato  
*Bartholdi Zeta Functions of Group Coverings of Digraphs*

16:55 ~ 17:20

Undecided (Yobi)

18:00 ~ 20:00

Dinner Party

9:00 ~ 9:50

**Invited Talk:** Ralph J. Faudree  
*Linear Forest,  $k$ -Ordered, and Pancyclic Graphs*

————— Coffee Break —————

10:10 ~ 10:35

Yoshimi Egawa and Haruhide Matsuda\*  
*A Degree Condition for Hamiltonian  $k$ -Factors*

10:35 ~ 11:00

Masao Tsugaki and Iwao Mizukai\*  
*Interpolation Theorem on Degree-Factors with and without Specified Edges*

————— Coffee Break —————

11:20 ~ 11:40

Atsuhiko Nakamoto  
*Geometric Realization of 5-Connected Triangulations on the Möbius Band*

11:45 ~ 12:10

Ken-ichi Kawarabayashi, Atsuhiko Nakamoto and Yusuke Suzuki\*  
 *$N$ -Flips in Even Triangulations on Surfaces*

————— Lunch —————

14:10 ~ 15:00

**Invited Talk:** Tomoki Yamashita  
*Degree Sum Conditions for the Existence of Cycles*

————— Coffee Break —————

15:20 ~ 15:45

Robert Aldred, Yoshimi Egawa, Jun Fujisawa\*,  
Katsuhiko Ota and Akira Saito  
*2-Factors in  $K_{1,n}$ -free Graphs*

15:45 ~ 16:10

Kiyoshi Yoshimoto  
*On the Number of Components in 2-Factors of Claw-free Graphs*

————— Coffee Break —————

16:30 ~ 16:55

Takeshi Sugiyama  
*Forbidden Subgraphs and Existence of Cycles Passing Through Specified Vertices*

16:55 ~ 17:20

Kazuhiko Ushio  
*Balanced Quatrefoil Designs*

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August 4 (Friday)

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9:00 ~ 9:50 **Invited Talk:** Sergey Bereg  
*Rigid graphs and pseudo-triangulations*

————— Coffee Break —————

10:10 ~ 10:35 Masashi Shinohara  
*On 3-Distance Sets in the 3-Dimensional Euclidean Space*

10:35 ~ 11:00 Ryuichi Mizumachi and Tomoki Nakamigawa\*  
*Point Sets in the Line with a Common Distance Sequence*

————— Coffee Break —————

11:20 ~ 11:40 Mikio Kano, Tomoharu Kawano\*, and Miyuki Uno  
*Semi-rectangular Bisection of Two Sets of Points in the Plane Lattice*

11:45 ~ 12:10 Mikio Kano\*, Mikio Oda and Kazuhiro Suzuki  
*The Number of Monochromatic Spanning Trees in a Colored Complete Graph (2) + Closing*

————— Lunch —————

14:10 ~ 17:00 **Free Discussion**