



1st GSIS-RCPAM International Symposium

# Exploring New Frontiers of Pure and Applied Mathematics

VENUE: LARGE LECTURE ROOM,  
GRADUATE SCHOOL OF INFORMATION SCIENCES,  
TOHOKU UNIVERSITY

March 8  2013

## Conference Schedule

### 10:20-10:30 Opening

Michitaka Kameyama Dean, Graduate School of Information Sciences, Tohoku University  
Reiko Miyaoka Chair, Mathematical Institute, Tohoku University

### 10:30-11:20 Philip Feinsilver Southern Illinois University, USA

“Multivariate Krawtchouk polynomials: construction and associated quantization”

### 11:30-12:20 Djoko Suprijanto Institut Teknologi Bandung, Indonesia

“Spherical design and its generalization: recent results and open problems”

### Lunch

### 14:00-14:50 Rinovia Simanjuntak Institut Teknologi Bandung, Indonesia

“Distance in graphs: two old and one new problems”

### 15:00-15:50 Riccardo Adami Politecnico di Torino, Italy

“NLS on graphs. (Few) Results and (many) problems.”

### Coffee break

### 16:20-17:10 Rolando Magnanini Università di Firenze, Italy

“A characterization of ellipsoids as uniformly dense sets with respect to a family of convex bodies”

### 17:20-18:10 Toshiyuki Sugawa RCPAM, Graduate School of Information Sciences, Tohoku University

“On the hyperbolic metric on a Riemann surface with conical singularities”

### 18:10-18:15 Closing

Nobuaki Obata Director, RCPAM, Graduate School of Information Sciences, Tohoku University

### 18:30-

Banquet at Middle Lecture Room

### Sponsor

Research Center for  
Pure and Applied Mathematics (RCPAM)  
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