

11th Czech-Japan Seminar on Data Analysis and Decision Making under Uncertainty (Czech-Japan Seminar 2008)

September 15 - 17, 2008

Sendai, Japan

Co-organized by: Czech-Japan Research Project, Tohoku Chapter of the Operations Research Society of Japan and Kansai Chapter of the Operations Research Society of Japan

Supported by: Kansai Chapter of Japan Association for Management Systems, Tohoku Chapter of Japan Society for Fuzzy Theory and Intelligent Informatics, Tohoku Chapter of Japan Industrial Management Association, International Society of Management Engineers

Sponsored by: The Kao Foundation for Arts and Sciences, Sendai Tourism & Convention Bureau, Intelligent Cosmos Academic Foundation

About the Seminar: This seminar originates from the two meetings that were held in Ishikawa and Celadna in 1990, respectively. These meetings were financially supported by an international collaborative research project between Czech Republic and Japan, and successfully achieved some positive results in the area of about data analysis and decision making under uncertainty. For the great response, the seminars have been organized alternatively in Czech Republic and Japan every year by researchers on stochastic analysis, fuzzy analysis and operations research. We take over purposes of these seminars and organize the 11th seminar first in Tohoku district, eastern Japan.

Seminar Venue: Sendai Sunplaza (5-11-1, Tsutsujigaoka, Miyagino, Sendai 983-0852, JAPAN)

<http://www.sendai-sunplaza.com/english/index.html>

<http://www.sendai-sunplaza.com/hotel.html> (in Japanese)

Excursion: Sendai-Miyagi tour, which requires the extra charge 10,000JPY, is being planned. We will visit “Zuiganji” the national treasure temple and a brewing company of Japanese sake. In the tour, a lunch box and dinner are served.

Seminar Schedule & Program: See the attached documents.

Official Language: English

Registration Fee:

Regular Registration: 27,000 JPY, Accompanying Person: 9,000 JPY, Student: 2,000 JPY

Note: Registration fee includes proceedings, reception and banquet fee, coffee break and a lunch ticket.

“Accompanying Person” is only for the welcome reception and the banquet. “Student” includes proceedings, reception fee and coffee break, and we request a student ID in Japanese or English on the site.

Registration: Please send an e-mail to the secretariat (cjs2008@dais.is.tohoku.ac.jp) with the following information: your title, last name, first name, affiliation, address, e-mail address, telephone and fax number. In addition, make an offer in case that you will join the excursion. Within a week after sending the e-mail, you should pay your registration fee by a bank transfer to the following account. Note that you should use the registered name as the remitter name. Participants owe all commitment fees.

Bank Name: The 77 Bank (Swift Code: BOSSJPJT, Bank Code: 0125, “七十七銀行” in Japanese)

Branch Name: Miyagimachi (Branch Code: 296, “宮城町支店” in Japanese)

Account No.: 5427827 (Saving Account) Account Name: Czech-Japan Seminar 2008

Cancellation and Refund Policy: If you cancel your registration, we will refund the fee according to the followings.

	Full Registration	Accompany Person	Student
Before August 31, 2008	Refund of 20,000JPY	Refund of 5,000JPY	N/A
After September 1, 2008	Refund of 10,000JPY	N/A	N/A

Organization:

- 2008 Czech-Japan Research Project Committee

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Secretariat of Czech-Japan Seminar 2008:

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HP of the Seminar <http://www.dais.is.tohoku.ac.jp/~cjs2008>

Program of the 11th Czech-Japan Seminar on Data Analysis and Decision Making under Uncertainty

September 15 (Monday), 2008

18:00 - 20:00	Welcome Reception at the Restaurant "Le ciel" (see below)
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September 16 (Tuesday), 2008 at the Room "Aoba"

8:25 - 8:30	Opening Ceremony
8:30 - 10:10	Session 1: Chair --- Radim JIROUSEK
1-1	<i>Coalition Matchings</i> Dinko DIMITROV and Emiliya LAZAROVA
1-2	<i>Multi-Party Hedonic Coalition Formation</i> Shao-Chin SUNG and Dinko DIMITROV
1-3	<i>Coalition Formation with Unconcerned Players</i> Kouji SUZUKI and Shao-Chin SUNG
1-4	<i>A value based on marginal contributions for multi-alternative games with restricted coalitions</i> Satoshi MASUYA and Masahiro INUIGUCHI
10:10 - 10:30	Coffee Break
10:30 - 12:10	Session 2: Chair --- Ondrej CEPEK
2-1	<i>On Formulation of Tri-objective fuzzy c-means model</i> Ryo HARUNA and Hiroaki KUWANO
2-2	<i>Construction of fuzzy logic models in categories of sets with similarities</i> Jiří Močkoř
2-3	<i>Interactive multiobjective programming under random fuzzy environments</i> Hideki KATAGIRI, Takashi HASUIKE, Hiroaki ISHII and Ichiro NISHIZAKI
2-4	<i>Building a fuzzy random regression model with confidence interval</i> Junzo WATADA, Shuming WANG and Witold PEDRYCZ
12:10 - 13:10	Lunch at the Restaurant "Le ciel" (see below)
13:30 - 14:45	Session 3: Chair --- Junzo WATADA
3-1	<i>Inconsistency of pair-wise comparison matrix with triangular fuzzy elements based on geometric mean</i> Jaroslav RAMIK
3-2	<i>Dynamic Adaptation of GA-chromosomes' Life Periods using Fuzzy Rule based System</i> Miroslav POKORNY, Petr ZELASKO and Pavel PETRANEK
3-3	<i>Particle swarm optimization using memory structures for nonlinear 0-1 programming problems</i> Takeshi MATSUI, Masatoshi SAKAWA and Kosuke KATO
14:45 - 15:05	Coffee Break
15:05 - 16:20	Session 4: Chair --- Masahiro INUIGUCHI
4-1	<i>Relation of DS_m Belief Conditioning Rules to Dempster-Shafer Approach</i> Milan DANIEL
4-2	<i>On two independence concepts for belief functions</i> Jiřina VEJNAROVA
4-3	<i>Conditional Independence and Compositional Models for Belief Functions</i> Radim JIROUSEK
16:20 - 16:30	Break
16:30 - 17:45	Session 5: Chair --- Koji OKUHARA
5-1	<i>Digital audio watermarking method with MP3 tolerance using Genetic Algorithm</i> Yasunari YOSHITOMI and Masakazu TANAKA
5-2	<i>Additional Adjacencies between One Node and the Other Nodes with the Same Depth in a Complete Binary Tree Minimizing Total Path Length</i> Kiyoshi SAWADA
5-3	<i>Structural Equation Model by orthogonal Group Method of Data Handling</i> Junko SHIBATA, Koji OKUHARA, Shogo SHIODE and Hiroaki ISHII
18:30 - 20:30	Banquet Dinner at the Restaurant "Le ciel" (see below)

September 17 (Wednesday), 2008 at the Room “Aoba”

8:20 - 10:00	Session 6: Chair - - - Jaroslav RAMIK
6-1	<i>Variable Selection based on Dissimilarity between Distributions with Degree of Classification by Multidimensional Scaling</i> Mika SATO-ILIC
6-2	<i>Reexamination of Attribute Reduction and Importance in the Rough Set Theory</i> Masahiro INUIGUCHI and Yuji MATSUMOTO
6-3	<i>Isotonic Spaces in Data Analysis</i> Milan VLACH
6-4	<i>Recognition of positive two-interval functions</i> Ondrej CEPEK and David KRONUS
10:00 - 10:20	Coffee Break
10:20 - 12:00	Session 7: Chair - - - Hiroshi NOGUCHI
7-1	<i>A competitive inventory problem between two retailers to customers with uncertain departure time</i> Hitoshi HOHJO
7-2	<i>A method for multislot just-in-time scheduling on identical parallel machines with set-up times</i> Eishi CHIBA and Toshihide IBARAKI
7-3	<i>Product mix problem with random return and preference of production quantity</i> Hiroaki ISHII, Takashi HASUIKE and Tohru KADOYA
7-4	<i>The method to estimate the management technology level in the manufacturing company</i> Hiroshi NOGUCHI
12:00 - 12:10	Break
12:10 - 13:50	Session 8: Chair - - - Shintaro MOHRI (“Excursion” will start on this time.)
8-1	<i>Process importance derivation for strategic eco-conscious production management</i> Koji OKUHARA, Junko SHIBATA, Hiroaki ISHII and Haruhiro FUJITA
8-2	<i>On the structure of solutions for fuzzy initial value problem</i> Xiaoping XUE
8-3	<i>On fuzzy boundary value problems</i> Minghao CHEN
8-4	<i>Summarization of fifty papers published in the International Journal "Fuzzy Sets and Systems"</i> Congxin WU
13:50 - 13:55	Closing Ceremony

NOTE : The registration desk will be open

17 : 30 ~ 19 : 00 on September 15 at **Le ciel**

8 : 00 ~ 17 : 00 on September 16 at **Aoba**

8 : 00 ~ 12 : 00 on September 17 at **Aoba**

Access to the restaurant “Le ciel” from the seminar venue

The restaurant “Le ciel” is on the opposite side of the street from the seminar venue “Sendai Sunplaza”. You can cross the street and go to the restaurant via a tunnel connected to “Tsutsujigaoka Station” (JR line; underground railroad). You should go down the stairs of “Entrance 2” in front of the seminar venue, straight the tunnel and up the stairs of “Entrance 1”. When you come up on the ground, you will find the restaurant on your right.

