

**THE 9th INTERNATIONAL CONFERENCE
ON
NONLINEAR FUNCTIONAL ANALYSIS
AND
APPLICATIONS**

Masan and Chinju, Korea,

July 25-29, 2007

Under the auspices of
Kyungnam University and
Gyeongsang National University
<http://nfaa.kyungnam.ac.kr/ic-nfaa.htm>

PROGRAM AND ABSTRACTS

**Organized by
KYUNGNAM UNIVERSITY
and
GYEONGSANG NAT'L UNIVERSITY
MASAN and CHINJU, KOREA
July 25-27, 2007**

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**Kyungnam University (in Masan),
Gyeongsang National University (in Chinju)
Korea,**

July 25-29, 2007

<http://nfaa.kyungnam.ac.kr/ic-nfaa.htm>

Purpose of the Conference

The aim of the conference is to introduce the theories and applications of Nonlinear Functional Analysis. The areas being discussed in the conference are ordinary and partial differential equations, functional differential equations, integrodifferential equations, control theory, approximation theory, optimal control and optimization theory, numerical analysis, ergodic theory, dynamic systems and complementarity problems. Contributed papers are solicited

Topics of the Conference

**Fixed Point Theory and Applications
Functional Analysis and Applications
Differential Equations and Applications
Integrodifferential Equations
Variational Inequality and Complementary Problem Theory and Applications
Asymptotic Behavior and Nonlinear Ergodic Theory
Control Theory and Applications
Theory of Inequalities and Applications
Optimization Theory and Applications
Stochastic Analysis and Applications
Dynamic Systems and Applications
Geometric Analysis and Convex Analysis**

Organized By

**The Institute of Basic Science, Kyungnam University
Department of Mathematics Education, Kyungnam University
Department of Mathematics Education,
Gyeongsang National University
The Research Institute of Natural Science,
Gyeongsang National University**

Sponsored By

**Kyungnam University
Gyeongsang National University
Korean Research Foundation (KRF)
Gyeongnam Regional Federation-KOFST
Pusan National University BK-21
Nova Science Publishers, Inc. New York, USA
The Korean Mathematical Society(KMS)
KMS Pusan Gyeongnam Branch**

Conference Chairmen

**Jong Kyu Kim (Kyungnam University, Korea)
(Jongkyuk@kyungnam.ac.kr)
Yeol Je Cho (Gyeongsang National University, Korea)
(yjcho@gsnu.ac.kr)**

Organizing Committee

International Advisory Committee Members:

**Ravi P. Agarwal (Florida Institute of Technology, USA)
Shih-sen Chang (Sichuan University, China)
N. U. Ahmed (University of Ottawa, Canada)
R. E. Bruck (University of Southern California, USA)
Mau-Hsiang Shih (National Taiwan Normal University, Taiwan)**

Watatu Takahashi (Tokyo Institute of Tech., **Japan**)
Ki Sik Ha (Pusan National University, **Korea**)
Sehie Park (Seoul National University, **Korea**)
Alexander G. Ramm(Kansas State University, **USA**)
C. E. M. Pearce (University of Adelaide, **Australia**)
Kwang Pak Park (Kyungnam University, **Korea**)
Th. M. Rassias (National Technical University of Athens, **Greece**)
Young Man Nam (Kyungnam University, **Korea**)
Josip Pecaric (University of Zagreb, **Croatia**)
Ram U. Verma (University of Toledo, **USA**)

Scientific Committee Members:

Lai-Jiu Lin (National Changhua University of Education, **Taiwan**)
Shin-ichi Nakagiri (Kobe University, **Japan**)
Anthony To-Ming Lau (University of Alberta, **Canada**)
Jen-Chih Yao (National Sun-Yat-sen University, **Taiwan**)
Sever S. Dragomir (Victoria University of Technology, **Australia**)
Yu-qing Chen (Foshan University, **China**)
Daya Ram Sahu (Shri Shankaracharya College, **India**)
Xinzhi Liu (University of Waterloo, **Canada**)
Tamaki Tanaka (Niigata University, **Japan**)
Shaban Sedghi (Islamic Azad University, **Iran**)
Sahar Mohamed Ali Abo Bakr (Ain Shams University, **Egypt**)
Nan-jing Huang (Sichuan University, **China**)
George A. Anastassiou (The University of Memphis, **USA**)
Simeon Reich (The Technion-Israel Institute of Technology, **Israel**)
Zhengyan Lin (**Zhejiang** University, **China**)
Haiyun Zhou (Shijiazhuang Engineering College, **China**)
Muhammad Aslam Noor (COMSATS, Institute of Information
Technology, **Pakistan**)
Yong-Kab Choi (Gyeongsang National University, **Korea**)
Jong Yeoul Park (Pusan National University, **Korea**)
Jong Soo Jung (Dong-A University, **Korea**)
Do Sang Kim (Pukyong National University, **Korea**)
Young Man Nam (Kyungnam University, **Korea**)
Yong-Hoon Lee (Pusan National university, **Korea**)

Shin Min Kang (Gyeongsang National University, **Korea**)
Gue Myung Lee (Pukyong National University, **Korea**)
Q-Heung Choi (Inha University, **Korea**)
Kyung Soo Kim (Kyungnam University, **Korea**)
In-Sook Kim (Sungkyunkwan University, **Korea**)
Gwang Hui Kim (Kangnam University, **Korea**)
Jeong-Hoon Kim (Yonsei University, **Korea**)

Secretaries:

Ki Hong Kim (Kyungnam University, **Korea**)
Sung-Ae Chun (Seoul National University, **Korea**)
Ho-Guen Hyun (Kyungnam University, **Korea**)
Hey Kyeong Park (Kyungnam University, **Korea**)
Kyung Soo Kim (Kyungnam University, **Korea**)
Chu-Hwan Kim (Kyungnam University, **Korea**)

INVITATION

It is our great pleasure to announce that we invite you to **the 9th International Conference on Nonlinear Functional Analysis and Applications** that will be held on **July 25-29, 2007** at Kyungnam University in Masan and Gyeongsang National University in Chinju, Korea.

The aim of the conference is to introduce the theories and applications of Nonlinear Functional Analysis. The areas being discussed in the conference are ordinary and partial differential equations, functional differential equations, integrodifferential equations, control theory, approximation theory, optimal control and optimization theory, numerical analysis, ergodic theory, dynamic systems and complementarity problems. A number of invited talks in the areas listed above will be given. The conference committee is honored to cordially invite you to attend the conference, to share ideas on the areas and to become acquainted each other for academic research. It is certain that your participation will significantly contribute to the quality and success of the conference.

Financial support of the conference by Kyungnam University and Gyeongsang National University has been greatly appreciated.

Finally, we hope that you have a great time during the conference.

Sincerely yours,

Jong Kyu Kim and Yeol Je Cho,

**Chairs
of the conference committee**

GENERAL INFORMATIONS

Registration: Registration will start at **9:00 a.m. Wednesday July 25st, 2007** and continue every day at the front desk of the conference sites

Welcome Reception: You and your guests are cordially invited to the welcome reception starting **7:00 p.m., July, 25st, 2007**.

Official Language: The official language of the conference is English that will be used during the presentations and the following discussions and for the printed materials.

Projector: **Beam Projectors** are recommended in all presentations. However, please let us know in advance if special projectors are needed.

Transportation from the Kim-Hae International Airport (Busan) to the Conference Sites (Kyungnam University):

It takes about one hour to get to the Masan Station from the Busan(Kim-Hae) International Airport by limousine bus. And then you can go to the conference site Kyungnam University by Urban bus or taxi in 30 minutes. When you arrive at the main gate of the Kyungnam University, please call to the Committee:

Tel: (055-249-2211, or 017-556-8608).

After then we will pick you up and guide for you to go to the Hotel

Weather: The average temperature as daily highest in the end of July is about 30 °C.

Local Transportation: The public transportations in Masan and Chinju are taxis or urban bus lines. During the conference there will be minibuses or cars that commute from hotels to the conference sites.

Web. Site Address: <http://nfaa.kyungnam.ac.kr/ic-nfaa.htm>

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E-mail: yjcho@gsnu.ac.kr

OPENING CEREMONY

**Wednesday July 25, 2007 - Kyungnam University,
(Conference Room A, Education Building)
11:30 AM**

Welcome Addresses

Jae Kyu Park
President of Kyungnam University

Dohan Kim
President of the Korean Mathematical Society

Jong-Kyu Kim
Co-Chairman, Organizing Committee
Kyungnam University

**Friday, July 27, 2007 - Gyeongsang National University,
(Conference Room - A)
9:30 AM**

Welcome Addresses

Moo Je Cho
President of Gyeongsang National University

Yeol Je Cho
Co-Chairman, Organizing Committee
Gyeongsang National University

Congratulatory Remarks

Ladies and gentlemen,

Now, the rainy spell in summer is over. I am very pleased to announce the 9-th international conference on Nonlinear Functional Analysis and Applications at the Kyungnam University and welcome you from all over the world: America, Canada, China, Japan, India, Iran, Egypt, Yugoslavia, Singapore, Hong-Kong, Poland, Vietnam, and domestic scientists even though it's hot and humid.

I am very happy that "the 9-th international conference on Nonlinear Functional Analysis and Applications" is held at the Kyungnam University in Masan, where is well known to the world for its long history and culture and keeping the poetic spirit of GAGOPA and the spirit of the March 15-th Memorial Monument of Citizen Democratization Monument.

I know this conference started in 1995 and has contributed greatly to academic research as well as industrial applications through presenting new research, exchanging ideas, and discussing interesting topics among famous scholars from all over the world.

In spite of the lack of charming for the basic sciences like these days, I think the success of this conference is due to the commitment and responsibility of mathematicians to prepare human society for the 21-st century to the state-of the art communication technology and science by learning knowledge, the practical application of mathematics, needed essentially for the next century. Nonlinear Functional Analysis and its related areas will be especially critical for the next century. As you know, many natural phenomena, engineering and physical phenomena, can be described by nonlinear functions for their modeling and further understanding.

In addition to mathematicians' interest, many scientists in physics, engineering, and application sciences have also showed great interest in Nonlinear functional analysis because of its enormous application possibilities.

However, research progress on Nonlinear functional analysis has been slow compared to Linear functional analysis because it has a short history and is difficult to deal with if to study due to lack of tools.

Despite these disadvantages and difficulties, it is lucky to have this international conference at Kyungnam University. It can be give an organized forum for mathematicians to present their research, to exchange their ideas, and to discuss their interests. It has been already the 9-th conference by this year. I expect, year after year, this conference will be a more famous place where a greater number of distinguished people from all over the world will come, present their research, and exchange their ideas. I truly wish that all of you will show interested in the prosperity of this conference.

Finally, I apologize in advance if there are any inconveniences with the conference rooms, lodgings, and other facilities during the conference even though we have tried to provide good environments.

I pray that all of you have a great time during the conference, get fruitful results, and have safe and warm trips back to your countries.

Thank you very much.

July 25-th, 2007

President of Kyungnam University,

Jae Kyu Park

Congratulatory Remarks

Distinguished guests from home and abroad!

I congratulate you on the opening of the 9th International Conference 2007 on Nonlinear Functional Analysis and Applications. I wholeheartedly welcome all the participants who came from afar to Gyeongsang National University to participate in this event.

I have learned from Prof. Yeol Je Cho who has organized this conference, which is held biannually, that as regional universities that lack research facilities and financial support, it is meaningful to host such a big international conference in collaboration with our two educational institutions, Gyeongsang National University and Kyungnam University.

To be honest, I do not have a deep knowledge of Mathematics, but I have heard that many great efforts are being made in its various fields to investigate nonlinear natural phenomena, and, specifically, the fields of Nonlinear Functional Analysis are playing a key role in exploring theories. In particular, I think the following are crucial theories: Fixed Point Theory, Theory of Differential Equations, Theory of Variational Inequality and Complementarity Problem, Stochastic Analysis, Optimization Theory, Equilibrium Theory, Game Theory, Inequality Theory and their applications.

I expect that this conference will yield many viable ideas for further international collaborative research among scholars, as well as graduate students who are preparing for their coming dissertations and research activities.

I am convinced that this conference will greatly contribute to developing various fields of Mathematics in Korea as well as promoting it as a world-class conference with active participation of distinguished mathematicians.

Finally, I would like to express my best wishes for the success of the Conference and extend my heartfelt thanks to all distinguished mathematicians participating in this conference from home and abroad, the Korean Mathematics Society and Busan-Gyeongnam Branch, Nova Science Publishers, USA, CEO Yeong Choon Lee of Jangsaeng Doraji Co., Dr. Seong Soo Lee, Director of the Research Institute of Natural Science, and our other supporters.

Thank you!

July 27th, 2007.
The President of Gyeongsang National University,
Moo Je Cho

EXCURSION

Date: Sunday, July 29, 2007

**Depart from the front yard of Conference Building of
Gyeongsang National University at 9:00 AM.**

We will visit to the

Haegumkang.

INVITED SPEAKERS

- Ravi P. Agarwal** (Florida Institute of Technology, **USA**)
Anthony To-Ming Lau (University of Alberta, **Canada**)
Yuqing Chen (Foshan University, **China**)
Mau-Hsiang Shih (National Taiwan Normal University, **Taiwan**)
R. E. Bruck (University of Southern California, **USA**)
J. C. Yao (National Sun Yat-Sen University, **Taiwan**)
Lai-Jiu Lin (National Changhua University of Education, **Taiwan**,)
Daishi Kuroiwa (Shimane University, **Japan**)
N. J. Huang (Sichuan University, **China**)
Xinzhi Liu (University of Waterloo, **Canada**)
S. S. Chang (Yibin University, **China**)
Ya-ping Fang (Sichuan University, **China**)
Sornsk Thianwan (Naresuan University, **Thailand**)
Haiyun Zhou (Shijiazhaung Mechanical Engineering College, **China**)
Jung Im Kang (University of Alberta, **Canada**)
Weiping Guo (University of Sciences and Technology of Suzhou, **China**)
Jun Li (China west normal University, **China**)
Sahar Mohamed Ali Abo Bakr (Ain Shams University, **Egypt**)
Zhen He (Hebei University, **China**)
Xiaolong Qin (Tianjin Polytechnic University, **China**)
Heng-you Lan (Sichuan University of Science and Engineering **China**)
Yisheng Song (Henan Normal University, **China**)
Azizollah Babakhani (Noshirvani of Babol University, **Iran**)
Nabi Shobe (Islamic Azad University, **Iran**)
Shaban sedghi (Islamic Azad University, **Iran**)
Yongfu Su (Tianjin Polytechnic University, **China**)
Rudong Chen (Tianjin Polytechnic University, **China**)
Feng Gu (Hangzhou Normal University, **China**)
Reza Saadati (University of Shomal, **Iran**)
Zeqing Liu (Liaoning Normal University, **China**)
Jing Liu (Liaoning Normal University, **China**)
Gang Li (Yangzhou University, **China**)
D. R. Sahu (Shri Shankaracharya College, **India**)
Wei Li (Hebei University of Economics and Business, **China**)
Zhengyan Lin (Zhejiang University, **China**)
Krishnan Balachandran (Bharathiar University, **India**)

Sehee Park (Seoul National University, Korea)
Yong Seung Cho (National Institute for mathematical Sciences, Korea)
Gue Myung Lee (Pukyong National University, Korea)
Un Cig Ji (Chungbuk National University, Korea)
Jong Soo Jung (Dong-A University, Korea)
Yeol Je Cho (Gyeongsang National University, Korea)
Chan-Gyun Kim (Pusan National University, Korea)
Yong-Hoon Lee (Pusan National University, Korea)
Inbo Sim (Pusan National University, Korea)
Eun Kyoung Lee (Pusan National University, Korea)
Sin Min Kang (Gyeongsang National University, Korea)
Jong Kyu Kim (Kyungnam University, Korea)
Kyung Soo Kim (Kyungnam University, Korea)
Young Man Nam(Kyungnam University, Korea)
In Sook Kim(Sungkyunkwan University, Korea)
Yun Ho Kim (Sungkyunkwan University, Korea)
Sunghui Kwon (Sungkyunkwan University, Korea)
Jongsig Bae(Sungkyunkwan University, Korea)
Jeong-Hoon Kim (Yonsei University, Korea)
Do Sang Kim (Pukyong National University, Korea)
Sunggon Kim (Gyeongsang National University, Korea)
Hyo Jung Lee (Pukyong National University, Korea)
Yu Jung Lee (Pukyong National University, Korea)
Kwan Duck Bae (Pukyong National University, Korea)
Han-Geul Kim (Pukyong National University, Korea)
Jin-Mun Jeong (Pukyong National University, Korea)
Jong Hyun Seo (Pusan National University, Korea)
Hyun-Min Kim (Pusan National University, Korea)
Hyun Ji Ko (Pusan National University, Korea)
Dong Wan Shin (Ewha University, Korea)
Soo Hak Sung (Pai Chai University, Korea)
Choonkil Park (Hanyang University, Korea)
Hark-Mahn Kim (Chungnam National University, Korea)
Hoon Ko (Chungnam National University, Korea)
Kil-Woong Jun (Chungnam National University, Korea)
Young-Sun Cho (Chungnam National University, Korea)
Ick-Soon Chang (Mokwon University, Korea)
Yang Hi Lee (Gongju National University of Education, Korea)
Dong Myung Chung (The Catholic University of Korea, Korea)

Hee Jin Moon (Gyeongsang National University, Korea)
Yong Kab Choi (Gyeongsang National University, Korea)
Ho Woo Lee (Sungkyunkwan University, Korea)
Jung Woo Baek (Sungkyunkwan University, Korea)
Tae-Sung Kim (Wonkwang University, Korea)
Mi-Hwa Ko (Wonkwang University, Korea)
Yun Kyong Kim (Dongshin University, Korea)
Tacksun Jung (Kunsan National University, Korea)
Q-Heung Choi (Inha University, Korea)
Sheon-Young Kang (National Institute for mathematical Sciences,
Korea)
Min-Kyung Kim (Pusan National University, Korea)
Gyeong-Mi Cho (Dongseo University, Korea)
Jeongha Oh (Chungnam National University, Korea)

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**TABLE OF
TALK SCHEDULE**

Organized by

KYUNGNAM UNIVERSITY

and

GYEONGSANG NAT'L UNIVERSITY

MASAN and CHINJU, KOREA

July 2007

Plenary Sessions

(Room –A)

Date	Time	Author(s)	Title Number	Chair
July 25	09:40 – 10:30	Sehie Park	AP – 01	Anthony To-Ming Lau
	10:40 – 11:20	Yong Seung Cho	CP – 01	Sehie Park
	14:00 – 14:50	Ravi P. Agarwal	BP – 01	Jong Kyu Kim
July 26	09:30 – 10:20	Xinzhi Liu	BP – 02	Young Man Nam
	10:00 – 10:40	Zhengyan Lin	DP – 01 (Room D)	Yong-.Kab Choi
	14:00 – 14:50	Anthony To-Ming Lau	AP – 02	Jong Soo Jung
July 27	10:00 – 10:50	Ravi P. Agarwal	BP – 03	Yeol Je Cho
	11:10–12: 00	Shih –sen Chang	AP – 03	Haiyun Zhou
July 28	09:30–10:20	Nan Jing Huang	CP – 02	Daya Ram Sahu

Session A – (Room A)

Date	Time	Author(s)	Title Number	Chair
July 25	09:40–10:30	Shie Park: Plenary Talk (AP – 01)		
	10:40–11:20	Yong Seung Cho : Plenary Talk (CP – 01)		
	11:20–11:50	Opening Ceremony		
	11:50–12:10	Pictures		
	12:10–14:00	Lunch		
	14:00–14:50	Ravi P. Agarwal : Plenary Talk (BP – 01)		
	15:10–15:50	Sahar Mohamed Ali	A – 01	Shih-sen Chang
	15:50–16:30	Xiaolong Qin	A – 02	
	16:50–17:30	Nabi Shobe	A - 03	Xiaolong Qin
	17:30–18:10	Weiping Guo * Yihui Wen	A - 04	
	19:00–22:00	Reception		
July 26	09:30–10:20	Xinzhi Liu : Plenary Talk (BP – 02)		
	10:40–11:20	Feng Gu	A - 05	Anthony To-Ming Lau
	11:20–12:00	Nan-Jing Huang * Ke-Qing Wu	A - 06	
	12:00-14:00	Lunch		
	14:00-14:50	Anthony To-Ming Lau : Plenary Talk (AP – 02)		
	15:10-15:50	Shaban Sedghi	A – 07	Nan-jing Huang
	15:50–16:30	Jong Soo Jung	A – 08	
	16:50–17:30	Yisheng Song	A – 09	Reza Saaditi
	17:30–18:10	Yeol Je Cho	A – 10	

July 27	09:30–10:00	Opening Ceremony		
	10:00–10:50	Ravi P. Agarwal : Plenary Talk (BP – 03)		
	11:10–12:00	Shih-sen Chang : Plenary Talk (AP – 03)		
	12:00–14:00	Lunch		
	14:00–14:40	Sehie Park	A –11	Anthony To-Ming Lau
	14:40–15:20	YongFu Su	A – 12	
	15:40–16:20	Reza Saadati	A - 13	Haiyun Zhou
	16:20-17:00	Anthony To-Ming Lau	A – 14	
	17:20–18:00	Jong Kyu Kim Kyung Soo Kim *	A – 15	Shih-sen Chang
18:00–18:40	Haiyun Zhou	A – 16		
July 28	09:30–10:20	Nan-Jing Huang : Plenary Talk (CP – 02)		
	10:40–11:20	Rudong Chen	A – 17	Wei Li
	11:20–12:00	Weiping Guo	A – 18	
	12:00–14:00	Lunch		
	14:00–14:40	Daya Ram Sahu	A - 19	Weiping Guo
	14:40–15:20	Wei Li	A – 20	
	15:40–16:20	Jung Im Kang	A – 21	Rudong Chen
	16:20–17:00	YongFu Su	A – 22	
	17:10– 17:50	Gang Li * Jong Kyu Kim	A - 23	Shih-sen Chang
	17:50– 18:30	Yeol Je Cho	A - 24	

Session B – (Room B)

Date	Time	Author(s)	Title Number	Chair
July 25	09:40–10:30	Sehie Park: Plenary Talk (AP – 01)- Room A		
	10:40–11:20	Yong Seung Cho : Plenary Talk (CP – 01)- Room A		
	11:20–11:50	Opening Ceremony		
	11:50–12:10	Pictures		
	12:10–14:00	Lunch		
	14:00–14:50	Ravi P. Agarwal : Plenary Talk (BP – 01) – Room A		
	15:10–15:50	Azizollah Babakhani * Varsha Daftardar-Gejji	B – 01	Xinzhi Liu
	15:50–16:30	In-Sook Kim	B – 02	
	16:50–17:30	Chan-Gyun Kim * Yong-Hoon Lee	B - 03	Yong-Hoon Lee
	17:30–18:10	Han-Geul Kim * Jin-Mun Jeong Jin-Ran Kim	B – 04	
	19:00–22:00	Reception		
July 26	09:30–10:20	Xinzhi Liu : Plenary Talk (BP – 02) - Room A		
	10:40–11:20	Sunghui Kwon * In Sook Kim	B – 05	Yong-Hoon Lee
	11:20–12:00	Eun Kyoung Lee	B – 06	
	12:00-14:00	Lunch		
	14:00-14:50	Anthony To-Ming Lau : Plenary Talk (AP – 02)- Room A		
	15:10-15:50	Sheon-Young Kang * Jeongha Oh	B – 07	In-Sook Kim
	15:50–16:30	Yun-Ho Kim * In-Sook Kim	B – 08	

	16:50–17:30	Jing Liu	B – 09	Jong Kyu Kim

July 27	09:30–10:00	Opening Ceremony		
	10:00–10:50	Ravi P. Agarwal : Plenary Talk (BP – 03)- Room A		
	11:10–12:00	Shih-sen Chang : Plenary Talk (AP – 03)- Room A		
	12:00–14:00	Lunch		
	14:00–14:40	Jong Hyun Seo * Hyun-Min Kim	B – 10	Wei Li
	14:40–15:20	Hyun Ji Ko * Hyun Min Kim	B – 11	
	15:40–16:20	Wei Li	B – 12	Hyun Min Kim
	16:20–17:00	Tacksun Jung * Q-Heung Choi	B – 13	
	17:20–18:00	Xinzhhi Liu	B – 14	Tacksun Jung
18:00–18:40	Mau-Hsiang Shih	B – 15		
July 28	09:30–10:20	Nan Jing Huang : Plenary Talk (CP – 02) – Room A		
	10:40–11:20	Ravi P. Agarwal	B – 16	Q-Heung Choi
	11:20–12:00	In Bo Sim	B – 17	
	12:00–14:00	Lunch		
	14:00–15:40			
	14:40–15:20			
	15:40–16:20			

Session C – (Room C)

Date	Time	Author(s)	Title Number	Chair
July 25	09:40–10:30	Sehie Park: Plenary Talk (AP – 01)- Room A		
	10:40–11:20	Yong Seung Cho : Plenary Talk (CP – 01)- Room A		
	11:20–11:50	Opening Ceremony		
	11:50–12:10	Pictures		
	12:10–14:00	Lunch		
	14:00–14:50	Ravi P. Agarwal : Plenary Talk (BP – 01)- Room A		
	15:10–15:50	Ya-Ping Fang * Nan-jing Huang	C – 01	Do Sang Kim
	15:50–16:30	Nan-jing Huang Jun Li * Soon-yi Wu	C – 02	
	16:50–17:30	Hyo Jung Lee * Do Sang Kim Yu Jung Lee Kwan Duck Bae	C - 03	Ya-Ping Fang
	17:30–18:10	Do Sang Kim * Young Min Kang	C – 04	
19:00–22:00	Reception			
July 26	09:30–10:20	Xinzhi Liu : Plenary Talk (BP – 02)- Room A		
	10:40–11:20	Ick-Soon Chang * Yang Hi Lee	C - 05	Hark-Mahn Kim
	11:20–12:00	Choonkil Park	C - 06	
	12:00-14:00	Lunch		
	14:00-14:50	Anthony To-Ming Lau : Plenary Talk (AP – 02)- Room A		
	15:10-15:50	Hark-Mahn Kim * Hoon Ko	C – 07	Choonkil Park
	15:50–16:30	Kil-Woung Jun Young-Sun Cho *	C – 08	

	16:50–17:30	Daishi Kuroiwa	C – 09	Choonkil Park
	17:30–18:10	Jong Kyu Kim * Young Man Nam Kyung Soo Kim	C – 10	

July 27	09:30–10:00	Opening Ceremony		
	10:00–10:50	Ravi P. Agarwal : Plenary Talk (BP – 03)- Room A		
	11:10–12:00	Shih-sen Chang : Plenary Talk (AP – 03)- Room A		
	12:00–14:00	Lunch		
	14:00–14:40	Ya-Ping Fang * Rong Hu Nan-jing Huang	C –11	Gue Myung Lee
	14:40–15:20	Lai-Jiu Lin	C – 12	
	15:40–16:20	Heng-you Lan	C – 13	Lai-Jin Lin
	16:20-17:00	Gue Myung Lee	C – 14	
	17:20–18:00	Min-Kyung Kim * Gyeong-Mi Cho	C – 15	Heng-you Lan
	18:00–18:40	N.N. Tam Jen-Chih Yao * N. D. Yen	C – 16	
July 28	09:30–10:20	Nan Jing Huang : Plenary Talk (CP – 02)- Room A		
	10:40–11:20	Heng-you Lan	C – 17	Zhen He
	11:20–12:00	Haiyun Zhou	C – 18	
	12:00–14:00	Lunch		
	14:00–14:40	Xin-feng He Jian Lou Zhen He *	C - 19	Nan Jing Huang

	14:40–15:20	Zeqing Liu Shin Min Kang Kang Hak Kim *	C – 20	
	15:40–16:20	Nan-jing Huang Jun Li * Jen-Chih Yao	C – 21	Heng-you Lan
	16:20–17:00	Sornsak Thianwan	C – 22	

Session D – (Room D)

Date	Time	Author(s)	Title Number	Chair
July 25	09:40–10:30	Sehie Park: Plenary Talk (AP – 01)- Room A		
	10:40–11:20	Yong Seung Cho : Plenary Talk (CP – 01)- Room A		
	11:20–11:50	Opening Ceremony		
	11:50–12:10	Pictures		
	12:10–14:00	Lunch		
	14:00–14:50	Ravi P. Agarwal : Plenary Talk (BP – 01)- Room A		
	15:10–15:50			
	15:50–16:30			
	16:50–17:30			
	17:30–18:10			
	19:00–22:00	Reception		
July 26	09:30–10:20	(BP – 02)		
	10:00–10:40	Zhengyan Lin	DP– 01	Yong Kab Choi
	10:40–11:10	Hee Jin Moon * Yong Kab Choi	D – 01	
	11:30-12:00	Zhengyan Lin	D – 02	Tae-Sung Kim
	12:00-14:00	Lunch		
	14:00-14:30	Yun Kyong Kim	D – 03	Jeong-Hoon Kim
	14:30–15:00	Tae-Sung Kim * Mi-Hwa Ko	D – 04	
	15:20–15:50	Jeong-Hoon Kim * Yong-Ki Ma	D – 05	Yun Kyong Kim
15:50–16:20	Un Cig Ji	D – 06		

July 27	09:30–10:00	Opening Ceremony		
	10:00–10:40	Zhengyan Lin	D - 07	Yong Kab Choi
	10:40–11:10	Sunggon Kim * Jongho Bae	D - 08	Yong Kab Choi
	11:30–12:00	Jongsig Bae	D - 09	Soo Hak Sung
	12:00 - 1400	Lunch		
	14:00–14:30	Soo Hak Sung	D - 10	Zhengyan Lin
	14:30–15:00	Ho Woo Lee * Jung Woo Baek	D - 11	
	15:20–15:50	Dong Wan Shin	D - 12	Ho Woo Lee
	15:50 -16:20	Dong Myung Chung	D- 13	
	16:30–17:00	Yong Kab Choi	D-14	Dong Myung Chung
July 28	09:30–10:20			
	10:40–11:20			
	11:20–12:00			
	12:00–14:00			
	14:00–15:40			
	14:40–15:20			
	15:40–16:20			
	16:20–17:00			

PROGRAM

MASAN and CHINJU

JULY, 2007

PLENARY SESSIONS
(ROOM – A)

Plenary Talks

Wednesday, July 25, 2007

* Session Chair : Anthony To-Ming Lau (University of Alberta, Canada)
09:40–10:30 Sehie Park (Seoul National University, The National
Academy Sciences, Korea)

(AP-01): Generalized Convex Spaces, L-Spaces, and FC-Spaces

* Session Chair : Sehie Park (Seoul National University, Korea)
10:40–11:20 Yong Seung Cho (National Institute for Mathematical
Sciences, Korea)

(CP-01): Gauge Theory in Four-Manifolds

* Session Chair : Jong Kyu Kim (Kyungnam University, Korea)
14:00–14:50 Ravi P. Agarwal (Florida Institute of Technology, U.S.A)

(BP-01): Singular Integral Equations with Real World Applications

Thursday, July 26, 2007

* Session Chair : Young Man Nam (Kyungnam University, Korea)
09:30–10:20 Xinzhi Liu (University of Waterloo, Canada)

(BP-02): Stability of Nontrivial Solution of Delay Differential
Equations with State-Dependent Impulses

* Session Chair : Yong Kab Chio (Gyeongsang National University, Korea)
10:00–10:40 Zhengyan Lin (Zhejiang University, P. R. China)–(Room D)

(DP-01): Specification Testing in Partially Linear Model

* Session Chair : Jong Soo Jung (Dong-A University, Korea)
14:00-14:50 Anthony To-Ming Lau (University of Alberta, Canada)
(AP-02): Fixed Point Properties for Semigroup of Nonexpansive
Mappings on Weakly Compact Convex Sets

Friday, July 27, 2007

* Session Chair : Yeol Je Cho (Gyeongsang National University, Korea)
10:00-10:50 Ravi P. Agarwal (Florida Institute of Technology, U.S.A)
(BP-03): Recent Trends in Discrete Boundary Value Problems

* Session Chair : Haiyun Zhou (Shijiazhuang Mechanical Engineering
College, P. R. China)
11:10-12:00 Shih-sen Chang (Yibin University, P. R. China)
(AP-03): Strong Convergence Theorems for Asymptotically
Nonexpansive Semigroups in Banach Spaces

Saturday, July 28, 2007

* Session Chair : Daya Ram Sahu (Shri Shankaracharya College of
Engineering & Technology, India)
09:30-10:20 Nan Jing Huang (Sichuan University, P. R. China)
(CP-02); Generalized Quasi-variational-like Hemivariational
inequalities

I. SESSION - A

(ROOM – A)

Fixed Point Theory with Applications

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Wednesday, July 25, 2007

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* Session Chair : Anthony To-Ming Lau (University of Alberta, Canada)
09:40–10:30 Sehie Park (Seoul National University, The National Academy
Sciences, Korea)

(AP-01): Generalized Convex Spaces, L-Spaces, and FC-Spaces

* Session Chair : Sehie Park (Seoul National University, Korea)
10:40–11:20 Yong Seung Cho (National Institute for Mathematical
Sciences, Korea)

(CP-01): Gauge Theory in Four-Manifolds

* Session Chair : Jong Kyu Kim (Kyungnam University, Korea)
14:00–14:50 Ravi P. Agarwal (Florida Institute of Technology, U.S.A)

(BP-01): Singular Integral Equations with Real World Applications

* Session Chair : Shih-sen Chang (Yibin University, P. R. China)
15:10–15:50 Sahar Mohamed Ali (Ain Shams University, Egypt)

(A-01): On Fixed Point Theory in Weakly Cauchy Normed Spaces

15:50–16:30 Xiaolong Qin (Tianjin Polytechnic University, P. R. China)
(A-02): Strong Convergence of a General Iterative Algorithm for
Equilibrium Problems and Variational Inequality Problems

* Session Chair : Xiaolong Qin (Tianjin Polytechnic University, P.R.China)
16:50–17:30 Nabi Shobe (Islamic Azad University, Iran)

(A-03): Fixed Point Theorem in M-Fuzzy Metric Spaces with
Property (E)

15:50–16:30 Jong Soo Jung (Dong-A University, Korea)

(A-08): Viscosity Approximation to Common Fixed Points of a Sequence of Nonexpansive Mappings

* Session Chair : Reza Saadati (University of Shomal, Iran)

16:50–17:30 Yisheng Song (Henan Normal University, P. R. China)

(A-09): On Iterations Methods for Zeros of Accretive Operators in Banach Spaces

17:30–18:10 Yeol Je Cho (Gyeongsang National University, Korea)

(A-10): A New Strong Convergence Theorem for Non-Lipschitzian Mappings in Uniformly Convex Banach Spaces

Friday, July 27, 2007

* Session Chair : Yeol Je Cho (Gyeongsang National University, Korea)

10:00–10:50 Ravi P. Agarwal (Florida Institute of Technology, U.S.A)

(BP-03): Recent Trends in Discrete Boundary Value Problems

* Session Chair : Haiyun Zhou (Shijiazhuang Mechanical Engineering College, P. R. China)

11:10–12:00 Shih-sen Chang (Yibin University, P. R. China)

(AP-03): Strong Convergence Theorems for Asymptotically Nonexpansive Semigroups in Banach Spaces

* Session Chair : Anthony To-Ming Lau (University of Alberta, Canada)

14:00–14:40 Sehie Park (Seoul National University,
The National Academy of Sciences, Korea)

(A-11): Recent Results and Conjectures in Analytical Fixed Point Theory

14:40–15:20 Yongfu Su (Tianjin Polytechnic University, P. R. China)

(A-12): Strong Convergence of Monotone Hybrid Algorithm for Hemi-relatively Nonexpansive Mappings and Application

* Session Chair : Haiyun Zhou (Shijiazhuang Mechanical Engineering College, P. R. China)

15:40-16:20 Reza Saadati (University of Shomal, Iran)

(A-13): Some Common Fixed Point Theorems for Weakly Commuting Maps in Menger Probabilistic Metric Spaces

16:20-17:00 Anthony To-Ming Lau (University of Alberta, Canada)

(A-14): Fixed Point Properties and Amenability

* Session Chair : Shih-sen Chang (Yibin University, P. R. China)

17:20-18:00 Jong Kyu Kim (Kyungnam University, Korea)

Kyung Soo Kim *(Kyungnam University, Korea)

(A-15): A New Systems of Generalized Nonlinear Mixed Variational Inequalities with Set-valued Mappings

18:00-18:40 Haiyun Zhou (Shijiazhuang Mechanical Engineering College, P. R. China)

(A-16): Hybrid Projection Algorithm for Fixed Points of Lipschitz Pseudocontractive Mapping in Hilbert Spaces

Saturday, July 28, 2007

* Session Chair : Daya Ram Sahu (Shri Shankaracharya College of Engineering & Technology, India)

09:30-10:20 Nan Jing Huang (Sichuan University, P. R. China)

(CP-02): Generalized Quasi-variational-like Hemivariational inequalities

* Session Chair : Wei Li (Hebei University, P. R. China)

10:40-11:20 Rudong Chen (Tianjin Polytechnic University, P. R. China)

(A-17): Strong Convergence Theorems for Implicit Iteration Process for a Finite Family of Hemicontractive Mappings

11:20-12:00 Weiping Guo (University of Science and Technology of Suzhou, P. R. China)

(A-18): On the Strong Convergence of the Implicit Iterative Processes with Errors for a Finite Family of Asymptotically Nonexpansive Mappings

- * Session Chair : Weiping Guo (University of Science and Technology of Suzhou, P. R. China)
- 14:00-14:40 Daya Ram Sahu (Shri Shankaracharya College of Engineering & Technology, India)
- (A-19): Viscosity Method for Approximation of Fixed Points of S-Nonexpansive Mappings
- 14:40-15:20 Wei Li (Hebei University of Economics and Business, P. R. China)
- (A-20): Iterative Scheme for Zero Points of Maximal Monotone Operators and Fixed Points of Nonexpansive Mappings
- * Session Chair : Rudong Chen (Tianjin Polytechnic University, P. R. China)
- 15:40-16:20 Jung Im Kang (University of Alberta, Canada)
- (A-21): Fixed Point Set of Semigroup of Mappings and N-Extreme Amenability
- 16:20-17:00 Yongfu Su (Tianjin Polytechnic University, P. R. China)
- (A-22): Obtuse Angle Principle for Approximation of Fixed Points of Nonlinear Mappings
- * Session Chair : Shih-sen Chang (Yibin University, P. R. China)
- 17:10-17:50 Gang Li * (Yangzhou University, P. R. China)
- Jong Kyu Kim (Kyungnam University, Korea)
- (A-23): Ergodic Theorem and Weak Convergence Theorem for Almost-orbits of Commutative Semigroups of Nonlipschitzian Mappings in Banach Spaces
- 17:50-18:30 Yeol Je Cho (Gyeongsang National University, Korea)
- (A-24): Strong Convergence of Iterative Algorithms for Monotone Operators in Banach Spaces

II. SESSION - B

(ROOM – B)

Differential and Integral Equations with Applications

Wednesday, July 25, 2007

* Session Chair : Anthony To-Ming Lau (University of Alberta, Canada)
09:40-10:30 Sehie Park (Seoul National University, Korea)

(AP-01): Generalized Convex Spaces, L-Spaces, and FC-Spaces

* Session Chair : Sehie Park (Seoul National University, Korea)

10:40-11:20 Yong Seung Cho (National Institute for Mathematical
Sciences, Korea)

(CP-01): Gauge Theory in Four-Manifolds

* Session Chair : Jong Kyu Kim (Kyungnam University, Korea)

14:00-14:50 Ravi P. Agarwal (Florida Institute of Technology, U.S.A)

(BP-01): Singular Integral Equations with Real World Applications

* Session Chair : Xinzhi Liu (University of Waterloo, Canada)

15:10-15:50 Azizollah Babakhani* (Noshirvani of Bobol University, Iran)
Varsha Daftardar-Gejji (Noshirvani of Bobol University, Iran)

(B-01): Some Aspect of Fractional Differential Equations

15:50-16:30 In-Sook Kim (Sungkyunkwan University, Korea)

(B-02): A Noncompact Component of Solutions for Nonlinear
Inclusions

* Session Chair : Yong-Hoon Lee (Pusan National University, Korea)

16:50-17:30 Chan-Gyun Kim * (Pusan National University, Korea)
Yong-Hoon Lee (Pusan National University, Korea)

(B-03): Existence of Multiple Positive Solutions for
 p -Laplacian Problems with a General Indefinite Weight

15:50–16:30 Yun-Ho Kim * (Sungkyunkwan University, Korea)
In-Sook Kim (Sungkyunkwan University, Korea)
(B-08): Global Bifurcation for Nonlinear Equations

* Session Chair : Jong Kyu Kim (Kyungnam University, Korea)
16:50–17:30 Jing Liu (Liaoning Normal University, P. R. China)
(B-09): Darboux Trnsformation and New Soliton-like Solutions for
the Broer–Kaup System

Friday, July 27, 2007

* Session Chair : Yeol Je Cho (Gyeongsang National University, Korea)
10:00–10:50 Ravi P. Agarwal (Florida Institute of Technolory, U.S.A)
(BP-03): Recent Trends in Discrete Boundary Value Problems

* Session Chair : Haiyun Zhou (Shijiazhuang Mechanical Engineering
College, P. R. China)
11:10–12:00 Shih-sen Chang (Yibin University, P. R. China)
(AP-03): Strong Convergence Theorems for Asymptotically
Nonexpansive Semigroups in Banach Spaces

* Session Chair : Wei Li (Hebei University of Economics and Business,
P. R. China)
14:00–14:40 Jong Hyun Seo * (Pusan National University, Korea)
Hyun-Min Kim (Pusan National University, Korea)
(B-10): Solving Matrix Polynomials by Newton's Method

14:40–15:20 Hyun Ji Ko * (Pusan National University, Korea)
Hyun-Min Kim (Pusan National University, Korea)
(B-11): Conjugate Gradient Methods for Solving a Matrix Polynomial

* Session Chair : Hyun-Min Kim (Pusan National University, Korea)
15:40–16:20 Wei Li (Hebei University of Economics and Business,
P. R. China)
(B-12): On the Existence of Solutions for Neumann Boundary Value
Problems with Generalized p -Laplacian Operator

16:20–17:00 Tacksun Jung * (Kunsan National University, Korea)
Q-Heung Choi (Inha University, Korea)
(B-13): Existence of the Positive Solution for the System of the
Nonlinear Suspension Bridge Equations

* Session Chair : Tacksun Jung (Kunsan National University, Korea)

17:20–18:00 Xinzhi Liu (University of Waterloo, Canada)
(B-14): Stability of Nontrivial Solution of Delay Differential
Equations with State-Dependent Impulses

17:20–18:00 Mau-Hsiang Shih (National Taiwan Normal University, Taiwan)
(B-15): Fritz John's Ellipsoid Theorem: Simpler Proof and
Applications

Saturday, July 28, 2007

* Session Chair : Daya Ram Sahu (Shri Shankaracharya College of
Engineering & Technology, India)

09:30–10:20 Nan Jing Huang (Sichuan University, P. R. China)
(CP-02); Generalized Quasi-variational-like Hemivariational
Inequalities

* Session Chair : Q-Heung Choi (Inha University, Korea)

10:40–11:20 Ravi P. Agarwal
(B-16): Singular Boundary Value Problems

11:20–12:00 In Bo Sim (Pusan National University, Korea)

(B-17): Bifurcation Solutions for p -Laplacian Problems with
an Indefinite Weight

III. SESSION- C

(ROOM – C)

Variational Inequalities, Functional Equations, Optimization Theory with Applications

Wednesday, July 25, 2007

* Session Chair : Anthony To-Ming Lau (University of Alberta, Canada)

09:40-10:30 Sehie Park (Seoul National University, Korea)

(AP-01): Generalized Convex Spaces, L-Spaces, and FC-Spaces

* Session Chair : Sehie Park (Seoul National University, Korea)

10:40-11:20 Yong Seung Cho (National Institute for Mathematical
Sciences, Korea)

(CP-01): Gauge Theory in Four-Manifolds

* Session Chair : Jong Kyu Kim (Kyungnam University, Korea)

14:00-14:50 Ravi P. Agarwal (Florida Institute of Technolory, U.S.A)

(BP-01): Singular Integral Equations with Real World Applications

* Session Chair : Do Sang Kim (Pukyong National University, Korea)

15:10-15:50 Ya-Ping Fang * (Sichuan University, P. R. China)

Nan-Jing Huang (Sichuan University, P. R. China)

(C-01): Feasibility and Solvability for Vector Complementarity
Problems

15:50-16:30 Nan-Jing Huang (Sichuan University, P. R. China)

Jun Li * (China West Normal University, P. R. China)

Soon-yi Wu (National Cheng-Kung University, Taiwan)

(C-02): Optimality Conditions for Vector Optimization Problems

* Session Chair : Ya-Ping Fang (Sichuan University, P. R. China)

16:50-17:30 Hyo Jung Lee *(Pukyong National University, Korea)

Do Sang Kim (Pukyong National University, Korea)

Yu Jung Lee (Pukyong National University, Korea)

Kwan Duck Bae (Pukyong National University, Korea)

(C-03): Second Order Duality in Multiobjective Programming
Involving Cones

17:30-18:10 Do Sang Kim * (Pukyong National University, Korea)

Young Min Kang (Pukyong National University, Korea)

(C-04): Optimality Conditions and Duality for Nonsmooth
Multiobjective Fractional Programming

19:00-22:00 : Reception

Thursday, July 26, 2007

* Session Chair : Young Man Nam (Kyungnam University, Korea)

09:30-10:20 Xinzhi Liu (University of Waterloo, Canada)

(BP-02): Stability of Nontrivial Solution of delay Differential
Equations with State-Dependent Impulses

* Session Chair : Hark-Mahn Kim (Chungnam National university ,Korea)

10:40-11:20 Ick-Soon Chang *(Mokwon University, Korea)

Yang-Hi Lee (Gongju University, Korea)

(C-05): On Approximation for the Functional Equation Originating
from a Cubic Function

11:20-12:00 Choonkil Park (Hanyang University, Korea)

(C-06): Stability of Generalized Additive Functional Inequalities
in Banach Spaces

* Session Chair : Jong Soo Jung (Dong-A University, Korea)

14:00-14:50 Anthony To-Ming Lau (University of Alberta, Canada)

(AP-02): Fixed Point Properties for Semigroup of Nonexpansive
Mappings on Weakly Compact Convex Sets

Session Chair : Choonkil Park (Hanyang University, Korea)

15:10-15:50 Hark-Mahn Kim *(Chungnam National university, Korea)

Hoon Ko (Chungnam National university, Korea)

(C-07): On the Stability of Functional Inequalities with Cauchy Mappings

15:50-16:30 Young Sun Cho * (Chungnam National university, Korea)

Kil Woung Jun (Chungnam National university, Korea)

(C-08): Stability of Functional Equations with Jensen Type Quadratic Mappings in Banach Spaces

Session Chair : Choonkil Park (Hanyang University, Korea)

16:50-17:30 Daishi Kuroiwa (Shimane University, Japan)

(C-09): Derivatives of Set-Valued Maps in Set Optimization

17:30-18:10 Jong Kyu Kim (Kyungnam University, Korea)

Young Man Nam (Kyungnam University, Korea)

Kyung Soo Kim (Kyungnam University, Korea)

(C-10): Convergence Theorems of Implicit Iterative Sequences for a finite family of asymptotically Quasi-nonexpansive type mappings in Banach Spaces

Friday, July 27, 2007

* Session Chair : Yeol Je Cho (Gyeongsang National University, Korea)

10:00-10:50 Ravi P. Agarwal (Florida Institute of Technology, U.S.A)

(BP-03): Recent Trends in Discrete Boundary Value Problems

* Session Chair : Haiyun Zhou (Shijiazhuang Mechanical Engineering College, P. R. China)

11:10-12:00 Shih-sen Chang (Yibin University, P. R. China)

(AP-03): Strong Convergence Theorems for Asymptotically Nonexpansive Semigroups in Banach Spaces

- * Session Chair : Gue Myung Lee (Pukyong National University, Korea)
- 14:00-14:40 Ya Ping Fang * (Sichuan University, P. R. China)
 Rong Hu (Chengdu University, P. R. China)
 Nan-Jing Huang (Sichuan University, P. R. China)
- (C-11): Well-Posedness for Equilibrium Problems and for
 Optimization Problems with Equilibrium Constraints
- 14:40-15:20 Lai-Jiu Lin (National Changhua University, Taiwan)
- (C-12): Existence Theorems of Systems of Variational Inclusions
 Problems and Variational Disclussions Problems with
 Applications
- * Session Chair : Lai-Jiu Lin (National Changhua University, Taiwan)
- 15:40-16:20 Heng-you Lan (Sichuan University of Science & Engineering,
 P. R. China)
- (C-13): An Approach for Solving Fuzzy Implicit Variational
 Inequalities with Linear Membership Functions
- 16:20-17:00 Gue Myung Lee (Pukyong National University, Korea)
- (C-14): On Implicit Function Theorems for Multifunctions
- * Session Chair : Heng-you Lan (Sichuan University of Science &
 Engineering, P. R. China)
- 17:20-18:00 Min-Kyung Kim * (Pusan National University, Korea)
 Gyeong-Mi Cho (Dongseo University, Korea)
- (C-15): A New Interior Point Algorithm for Linear Complementarity
 Problems
- 18:00-18:40 N. N. Tam (National Sun Yat-sen University, Taiwan)
 Jen-Chih Yao * (National Sun Yat-sen University, Taiwan)
 N. D. Yen (National Sun Yat-sen University, Taiwan)
- (C-16): On some Solution Methods for Pseudomonotone Variational
 Inequalities

Saturday, July 28, 2007

- * Session Chair : Daya Ram Sahu (Shri Shankaracharya College of
Engineering & Technology, India)
- 09:30-10:20 Nan Jing Huang (Sichuan University, P. R. China)
(CP-02): Generalized Quasi-variational-like Hemivariational
Inequalities
- * Session Chair : Zhen He (Hebei University, P. R. China)
- 10:40-11:20 Heng-you Lan (Sichuan University of Science &
Engineering, P. R. China)
- (C-17): Nonlinear (A, η) -Monotone Operator Inclusion Systems
Involving Non-monotone Set-valued Mappings
- 11:20-12:00 Haiyun Zhou (Shijiazhuang Mechanical & Engineering
College, P. R. China)
- (C-18): Strong Convergence Theorems for Nonexpansive Mappings and
Inverse-strongly Monotone Mappings
- * Session Chair : Nan-Jing Huang (Sichuan University, P. R. China)
- 14:00-14:40 Xin-feng He (Hebei University, P. R. China)
Jian Lou (Hebei University, P. R. China)
Zhen He * (Hebei University, P. R. China)
- (C-19): Generalized Projection and Approximation for Generalized
Variational Inequalities System in Banach Spaces
- 14:40-15:20 Zeqing Liu (Liaoning Normal University, P. R. China)
Shin Min Kang (Gyeongsang National University, Korea)
Kang Hak Kim *(Gyeongsang National University, Korea)
- (C-20): On Existence and Iterative Approximations of Solutions
for a Class of Mixed Quasi-variational-like
Inequalities in Banach Spaces

* Session Chair : Heng-you Lan (Sichuan University of Science & Engineering, P. R. China)

15:40-16:20 Nan-Jing Huang (Sichuan University, P. R. China)
Jun Li (China West Normal University, P. R. China)
Jen Chih Yao (National Sun Yat-sen, Taiwan)

(C-21): Error Bounds for Convex Inequality Systems
in Banach Spaces

16:20-17:00 Sornsak Thianwan (Naresuan University Phayao Campus,
Thailand)

(C-22): New Iterations for Approximation of Common fixed
Points of Two Asymptotically Nonexpansive Nonself-
mappings

IV. SESSION-D

(ROOM – D)

Stochastic Analysis with Applications

Thursday, July 26, 2007

* Session Chair : Yong Kab Chio (Gyeongsang National University, Korea)

10:00–10:40 Zhengyan Lin (Zhejiang University, P. R. China)

(DP-01): Specification Testing in Partially Linear Model

10:40–11:10 Hee Jin Moon * and Yong Kab Choi (Gyeongsang National University, Korea)

(D-01): Self-normalized Weak Invariance Principle for Mixing Sequences with Infinite Variance

* Session Chair : Tae-Sung Kim (Wonkwang University, Korea)

11:30–12:00 Zhengyan Lin (Zhejiang University, P. R. China)

(D-02); Local Linear M-estimation in Nonparametric Spatial Regression

* Session Chair : Jeong-Hoon Kim (Yonsei University, Korea)

14:00–14:30 Yun Kyong Kim (Dongshin University, Korea)

(D-03); Tightness and Convergence in Distribution for Fuzzy Set Valued random variables

14:30–15:00 Tae-Sung Kim* and Mi-Hwa Ko (Wonkwang University, Korea)

(D-04); On the central Limit Theorem for the Linear Process Generalized by Associated Random Variables in a Hilbert Spaces

* Session Chair : Yun Kyong Kim (Dongshin University, Korea)

15:20–15:50 Jeong-Hoon Kim* and Yong-Ki Ma (Yonsei University, Korea)

(D-05); CDS Rate with Copula-dependent Default Intensity

15:50–16:20 Un Cig Ji (Chungbuk National University, Korea)
(D-06); Hitsuda–Skorohod Quantum Stochastic Integrals

Friday, July 27, 2007

* Session Chair : Yong Kab Chio (Gyeongsang National University, Korea)
10:00–10:40 Zhengyan Lin (Zhejiang University, P. R. China)
(D-07); Precise Asymptotics in Probability Limit Theorems an
Overview

10:40–11:10 Sunggon Kim * (Gyeongsang National University, Korea)
Jongho Bae (Chungnam National University, Korea)
(D-08); P-Policy for an M/G/1 and G/M/1 Queueing Systems

* Session Chair : Soo Hak Sung (Pai Chai University, Korea)
11:30–12:00 Jongsig Bae (Sungkyunkwan University, Korea)
(D-09); The Uniform Asymptotics on the Sample Quantile Process

* Session Chair : Zhengyan Lin (Zhejiang University, P. R. China)
14:00–14:30 Soo Hak Sung (Pai Chai University, Korea)
(D-10); Complete Convergence for Arrays of Rowwise Independent
Random Elements

14:30–15:00 Ho Woo Lee * (Sungkyunkwan University, Korea)
Jung Woo Baek (Sungkyunkwan University, Korea)
(D-11); Waiting Time Analysis of the BMAP/G/1 Queue Under the
D-policy

* Session Chair : Ho Woo Lee (Sungkyunkwan University, Korea)
15:20–15:50 Dong Wan Shin (Ewha University, Korea)
(D-12); A Robust Sign Test for Panel Unit Roots under Cross
Sectional dependence

15:50–16:20 **Dong Myung Chung** (The Catholic University of Korea, Korea)
(D-13); The Modified Tempered Stable Distribution Garch-Models
and Option Pricing

* Session Chair : **Dong Myung Chung** (The Catholic University of Korea,
Korea)

16:30–17:00 **Yong Kab Chio** (Gyeongsang National University, Korea)
(D-14); Limsup Results and LIL for Partial Sum processes of a
Gaussian Random Field

ABSTRACTS

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