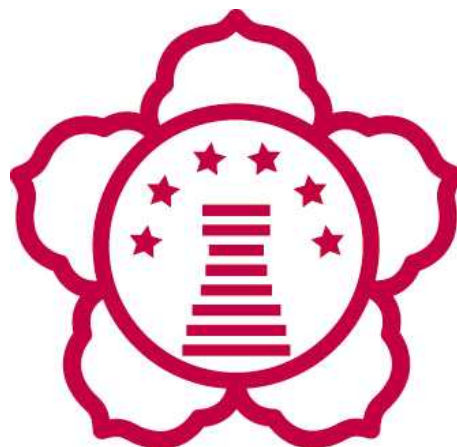


2017 International Conference:

Operator Theory and Its Applications



Kyungpook National University

Daegu, Republic of Korea
November 15-19, 2017

2017 작용소론 및 응용 국제컨퍼런스:

- 일시: 2017년 11월 15(수) - 19일(일)
- 장소: 경북대학교 자연대 수학과 219/313-3호

► Organizing Committee

Il Bong Jung (Kyungpook National University)

Mi Ryeong Lee (Catholic University of Daegu)

► Supported by

- Kyungpook National University
- Institute for Mathematical Convergence
- National Research Foundation of Korea (NRF)
- BK21PLUS NextCMC

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Operator Theory and Its Applications

Kyungpook National University, Daegu, Korea November 15-19, 2017

Wednesday, November 15

Discussion

10:30-12:00 *Opening and Discussion*

12:00-14:00 **Lunch**

Colloquium

Chairman: Younghae Do (Kyungpook National Univ., Korea)

15:30-16:30 ***Math in Literature and Arts-The film π and Plato's Republic***

Tae Hwa Kim (Pukyong National Univ., Korea)

16:30-17:30 ***Moment Problems and Operators***

Il Bong Jung (Kyungpook National Univ., Korea)

18:00 **Dinner**

Thursday, November 16

Chairman: Il Bong Jung (Kyungpook National Univ., Korea)

16:00-16:45 ***Subnormality of shifts associated with composition operators:
fixed points and iteration points I***

George R. Exner (Bucknell Univ., USA)

16:45-17:00 **Coffee Break**

17:00-17:50 ***Aluthge transforms and jumping flatness of Hamburger-type
weighted shifts***

Joo Young Jin (Kyungpook National Univ., Korea)

18:00 **Dinner**

Friday, November 17

Discussion

10:00-12:00 *Discussion*

12:00-14:00 **Lunch**

Discussion

14:00-15:30 *Discussion*

Chairman: Eun Young Lee (Kyungpook National Univ., Korea)

15:30-16:15 *Subnormality of shifts associated with composition operators:
fixed points and iteration points II*

George R. Exner (Bucknell Univ., USA)

16:15-16:35 **Coffee Break**

16:35-16:50 *Cubically Hyponormal Weighted Shifts*

Hyunjin Do (Kyungpook National Univ., Korea)

16:50-17:30 **Discussion**

18:00 **Dinner**

Saturday, November 18

Chairman: Minjung Seo (Kyungpook National Univ., Korea)

10:30-11:20 *Recent results on semi-weakly hyponormal weighted shifts*

Mi Ryeong Lee (Catholic University of Daegu, Korea)

11:20-11:30 **Coffee Break**

11:30-12:20 *A note on the region of semi-cubic hyponormality*

Seunghwan Baek (Kyungpook National Univ., Korea)

12:20-13:30 **Lunch**

Chairman: Mi Ryeong Lee (Catholic University of Daegu, Korea)

13:30-14:20 ***On the strong Roman domination number of graphs***

Moo Young Sohn (Changwon National Univ., Korea)

14:20-14:40 **Coffee Break**

Chairman: Myung Jae Kim (Kyonggi University, Korea)

14:40-15:30 ***Math in Literature and Arts-The film π and Plato's Republic
-Continued***

Tae Hwa Kim (Pukyong National Univ., Korea)

15:30-17:00 **Discussion**

18:00 **Dinner**

Sunday, November 19

Discussion

10:00-12:00 ***Discussion on Research problems***

12:00 **Closing and Lunch**