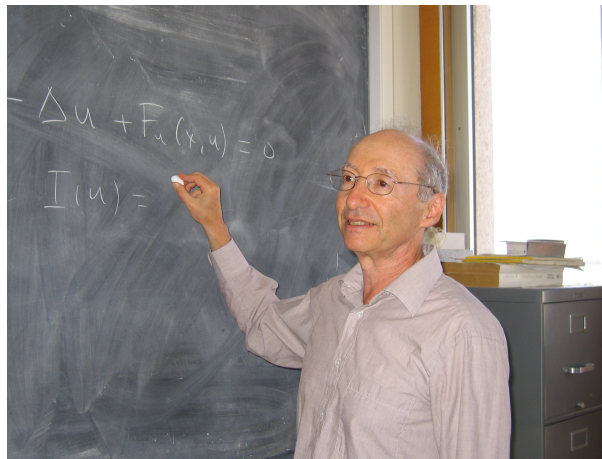


Preface

Special Issue Dedicated to Professor Paul H. Rabinowitz's 80th Birthday



The conference *Calculus of Variations — A celebration of Paul Rabinowitz's 80th birthday* was held during Oct. 31-Nov. 2, 2019 at UniHotel Jeju, Korea. The conference was dedicated to Professor Paul Rabinowitz on the occasion of his 80th birthday. The current special issues in the journal *Analysis in Theory and Applications* are formed by papers contributed by speakers in this conference.

Paul Rabinowitz has influenced greatly the fields of Calculus of Variations, Partial Differential Equations, Dynamical Systems and Nonlinear Analysis by developing new tools and approaches for the fields. As beneficiaries of his contributions to the fields, the members of the organizing committee discussed the possibility of organizing an academic meeting in Asia to celebrate the 80th birthday of Paul Rabinowitz, and decided to organize such a meeting in the beautiful resort place, Jeju island in Korea. In the conference, Henri Berestycki, Sergey Bolotin, Chao-Nien Chen, Kuo-Chang Chen, Vittorio Coti Zelati, Manuel del Pino, Changfeng Gui, Xijun Hu, Hyeonbae Kang, YanYan Li, Yiming Long, Hiroshi Matano, Piero Montecchiari, Jinmyoung Seok, Eric Sere, Elves A. B. Silva, Marshall Slemrod, Kazunaga Tanaka, and Zhi-Qiang Wang delivered their recent exciting results. Paul Rabinowitz and all participants enjoyed the happy meeting and the beautiful sight of the place. During the conference, we had an event party to celebrate his 80th birthday.

During the conference, YanYan Li suggested to publish a special volume for the celebration of Paul Rabinowitz's 80th birthday in *Analysis in Theory and Applications* by soliciting articles from the speakers. Juncheng Wei contributed to the special volume even though

he could not join the meeting due to his appointed schedule. We would like to express our sincere thanks to all contributors to the special volume and all speakers in the conference. We especially thank YanYan Li, the Editor-in-Chief of *Analysis in Theory and Applications* for his kind arrangement and all supports for the publication.

The conference was sponsored by Stochastic Analysis and Applications Research Center (SAARC) in KAIST. We thank SAARC for the generous support and Seulki Lee, and Jeong-In Park for their efforts in organizing the conference.

Special Issue Editors:
Jaeyoung Byeon, Yiming Long and Zhi-Qiang Wang
The Organizing Committee, March 2021