The 21th International Workshop
on Hermitian Symmetric Spaces & Submanifolds

- **Date:** October 11 (Wed) ~ 13 (Fri), 2017
- **Place:** Faculty Seminar Room (# 219),
  Department of Mathematics, College of Natural Sciences,
  Kyungpook National University, Daegu 41566, Republic of Korea

- **Organizing Committee**
  Young Jin Suh (Chair, Kyungpook Nat'l University & RIRCM, Republic of Korea)
  Yoshihiro Ohnita (Osaka City University & OCAMI, Japan)
  Byung Hak Kim (Kyung Hee University, Republic of Korea)
  Imsoon Jeong (Pai Chai University, Republic of Korea)
  Changhwa Woo (Woosuk University, Republic of Korea)

- **Secretaries**
  Hyunjin Lee (RIRCM, Republic of Korea)
  Jihye Park (RIRCM, Republic of Korea)

- **Supported by**
  National Research Foundation of Korea and BK21PLUS

- **Organized by**
  RIRCM (Research Institute of Real and Complex Manifolds) and
  OCAMI (Osaka City University Advanced Mathematical Institute)

October 11 (Wednesday), 2017   Place: Faculty Seminar Room (#219)

11:00~11:30	**Chair Dr. Hyunjin Lee**

11:00~11:30   Hopf hypersurfaces in the complex quadric with normal Jacobi operator of Codazzi type

Imsoon Jeong (Pai Chai University, Korea), Gyujong Kim (Kyungpook National University, Korea) and Young Jin Suh (Kyungpook National University, Korea)

11:30~12:30	**Chair Professor Imsoon Jeong**

11:30~12:00   Real hypersurfaces with Killing shape operator in the complex quadric

Junhyung Ko (Kyungpook National University, Korea),
Young Jin Suh (Kyungpook National University, Korea) and Changhwa Woo (Woo Suk University, Korea)

12:00~12:30   Classifications of real hypersurfaces in complex Grassmannians with rank two

Byung Hak Kim (Kyung Hee University, Korea), Hyunjin Lee (Kyungpook National University, Korea) and Eunmi Pak (Kyung Hee University, Korea)

October 12 (Thursday), 2017   Place: Faculty Seminar Room (#219)

09:30~10:30	**Chair Professor Young Jin Suh**

09:30~10:30   Spectral theory for closed curves in the 3-dimensional space forms

Sebastian Klein (Mannheim University, Germany)

10:30~10:50	**Break Time**
10:50~12:30	**Chair Professor Sunghwan Moon**

10:50~11:50   Minkowski problem on integral and convex geometry

Jiazu Zhou (Southwest University, China)

11:50~12:30	**Opening Address / Group Photos**
12:30~14:00	**Lunch Time (Restaurant Renaissance, 17th floor in Global Plaza, KNU)**
14:00~16:20	**Chair Professor Yoshihiro Ohnita**

14:00~15:00   Special Lagrangian submanifolds and cohomogeneity one actions on the complex projective space

Kurando Baba (Tokyo University of Science, Japan)

15:20~16:20   Rigidity theorems of capillary hypersurfaces

Juncheol Pyo (Busan National University, Korea)

16:20~16:40	**Break Time**
16:40~17:40	**Chair Professor Jiazu Zhou**

16:40~17:40   Ricci-Bourguignon flow

Pak Tung Ho (Sogang University, Korea)

October 13 (Friday), 2017   Place: Faculty Seminar Room (#219)

09:30~10:30	**Chair Professor Young Jin Suh**

09:30~10:30   Classification of minimal orbits of the Hermann action satisfying Koike's conditions

Yoshihiro Ohnita (Osaka City University, Japan)

10:30~10:45	**Break Time**
10:45~12:30	**Chair Professor Yasuyuki Nagatomo**

10:45~11:45   Spectral theory for simply periodic constant mean curvature surfaces in the 3-dimensional space forms

Sebastian Klein (Mannheim University Germany)

11:45~12:00	**Break Time**

12:00~12:30   The heat operator of a transversally elliptic operator

Masasiro Morimorto (Osaka City University, Japan)

12:30~14:00	**Lunch Time (Restaurant Bibim-ga, 2nd floor in Global Plaza, KNU)**
14:00~16:00	**Chair Professor Sebastian Klein**

14:00~15:00   Discretized linear Weingarten surfaces with Weierstrass-type representations and their singularities

Masashi Yasumoto (OCAMI, Japan)

15:00~16:00   Scalar curvature functions of almost-Kaehler metrics

Jongsu Kim (Sogang University, Korea)

16:00~17:30	**Chair Professor Byung Hak Kim**

16:00~17:00   Harmonic maps of the complex projective line into Grassmannians of rank 2

Yasuyuki Nagatomo (Meiji University, Japan)

17:00~17:30   Radon transform and the conical Radon transform with a fixed central axis

Sunghwan Moon (Kyungpook National University, Korea)