1. **Agenda for Sino-Korea Academic Conference**

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| **May 20, 2015** |
| **Time** | **Content** | **Site** | **Chair** | **Speaker** |
| **9:00 - 9:10** | Opening Address | Room 204South Building | Xiaotao Sun | **Yuefei Wang** |
| **9:10 - 9:20** | **JongHae Keum** |
| **9:20 - 10:20** | Report 1:On special birational transformations | Baohua Fu |
| **10:20 - 10:50** | **Tea break and take group photo** |
| **10:50 – 11:50** | Report2:Syzygies of Cox rings of del Pezzo surfaces | Room 204South Building | Xiaotao Sun | Jinhyung Park |
| **11:50 - 13:00** | **Lunch time** |
| **13:00 -14:00** | Report3:What are zeta integrals? | Room 204South Building | JongHae Keum | Wenwei Li |
| **14:00 - 15:00** | Report 4:On some orders generated by units | Jun Ho Lee |
| **15:00 - 15:10** | **Tea Break** |
| **15:10 - 16:10** | Report 5: Strong approximation for a normic variety | Room 204South Building | JongHae Keum | Dasheng Wei |
| **18:00** | **Banquet** |
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| **May 21, 2015** |
| **Time** | **Content** | **Site** | **Chair** | **Speaker** |
| **9:00 -10:00** | Report 6: Moduli of sheaves, Fourier-Mukai transform, and partial desingularization | Room 204South Building | Sijong Kwak | Kiryong Chung |
| **10:00-10:10** | **Tea Break**  |
| **10:10 - 11:10** | Report 7: Grunwald-Wang | Room 204South Building | Sijong Kwak | Song Wang |
| **11:10 - 12:10** | Report8:Remarks on quadratic fields with noncyclic ideal class groups | Kwang-Seob Kim |
| **12:10 - 14:00** | **Lunch time** |
| **14:00 – 15:00** | Report 9:Orthogonal and symplectic pure perverse sheaves | Room 204South Building | Baohua Fu | Weizhe Zheng |
| **15:00 – 15:10** | **Tea Break** |
| **15:10 – 16:10**  | Report 10:Quiver mutations and their applications to algebraic geometry and number theory | Room 204South Building | Baohua Fu | Kyungyong Lee |
| **16:10 – 17:10** | Report 11:Conservation relations for local theta correspondence  | Binyong Sun  |
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| **May 22, 2015** |
| **9:00 -10:00** | Report12:The McKay correspondence and the terminal quotient singularities in dimension three | Room 204South Building | Jun-Muk Hwang | Seung-Jo Jung |
| **10:00 - 10:10** | **Tea Break** |
| **10:10 - 11:10** | Report 13:Explicit Gross-Zagier Formula and arithmetic application | Room 204South Building | Jun-Muk Hwang | Ye Tian |
| **11:10 - 12:10** | Report 14: Graded Betti Numbers and Classification of Algebraic Varieties | Sijong Kwak |
| **12:10 - 14:00** | **Lunch time** |
| **14:00 - 15:00** | Report 15: Construction of Tate cycles on certain unitary Shimura varieties over finite fields |  |  | Yichao Tian |
| **15:00 - 15:10** | **Tea Break** |
| **15:10 – 16:10** | Report 16: Periods of modular forms on level p and Jacobi theta functions |  |  | Yoon Kyung Park |

1. **Participants:**

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| **No.** | **Full Name** | **Affiliation and Title** | **E-mail Address** |
| 1 | JongHae Keum | President & Professor, Korea Institute for Advanced Study | jhkeum@kias.re.kr |
| 2 | Jun-Muk Hwang | Professor, KIAS | jmhwang@kias.re.kr |
| 3 | Jin Seok-Ho | Dr., KIAS | seokhojin@kias.re.kr |
| 4 | Yang Minsuk | Dr., KIAS | yangm@kias.re.kr |
| 5 | Ha Junsoo | Dr., KIAS | junsooha@kias.re.kr |
| 6 | Hong Kyusik | Dr., KIAS | kszoo@kias.re.kr |
| 7 | Kangwon Lee | Manager, Office of Academic Affairs, KIAS | kwlee@kias.re.kr |
| **Invited Speakers** |
| 1 | Jinhyung Park | Research Fellow, KIAS | parkjh13@kias.re.kr |
| 2 | Jun Ho Lee | Research Fellow, KIAS | jhleee@kias.re.kr |
| 3 | Kiryong Chung | Research Fellow, KIAS | krjung@kias.re.kr |
| 4 | Kwang-Seob Kim | Research Fellow, KIAS | kwang12@kias.re.kr |
| 5 | Kyungyong Lee | Wayne State University and KIAS CMC | klee1@kias.re.kr |
| 6 | Seung-Jo Jung | Research Fellow, KIAS | seungjo@kias.re.kr |
| 7 | Sijong Kwak | KAIST | sjkwak@kaist.ac.kr |
| 8 | Yoon Kyung Park | Research Fellow, KIAS | ykpark78@kias.re.kr |

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| **No.** | **Full Name** | **Affiliation and Title** | **E-mail Address** |
| 1 | Yuefei Wang | President & Professor, Academy of Mathematics and Systems Science, Chinese Academy of Sciences | wangyf@amss.ac.cn |
| 2 | Xiaotao Sun | Professor, Deputy Director of Institute of Mathematics, Academy of Mathematics and Systems Science, Chinese Academy of Sciences | xsun@math.ac.cn |
| 3 | Zaijiu Shang | Professor, Director of Institute of Mathematics, Academy of Mathematics and Systems Science, Chinese Academy of Sciences | zaijiu@math.ac.cn |
| **Invited Speakers** |
| 1 | Baohua Fu | Professor, AMSS | bhfu@math.ac.cn |
| 2 | Bingyong Sun | Professor, AMSS | sun@math.ac.cn |
| 3 | Dasheng Wei | Associate Professor, AMSS | [dshwei@amss.ac.cn](https://mail.cstnet.cn/coremail/XJS/pab/view.jsp?sid=DAsqNnDDTvBGoJmQavDDFBkwPyepRtqd&totalCount=55&view_no=39&puid=303&gid=3) |
| 4 | Song Wang | Professor, AMSS | [songw1973@amss.ac.cn](https://mail.cstnet.cn/coremail/XJS/pab/view.jsp?sid=DAsqNnDDTvBGoJmQavDDFBkwPyepRtqd&totalCount=55&view_no=38&puid=323&gid=3) |
| 5 | Weizhe Zheng | Professor, AMSS | [wzheng@math.ac.cn](https://mail.cstnet.cn/coremail/XJS/pab/view.jsp?sid=DAsqNnDDTvBGoJmQavDDFBkwPyepRtqd&totalCount=55&view_no=53&puid=333&gid=3) |
| 6 | Wenwei Li | Professor, AMSS | [wwli@math.ac.cn](https://mail.cstnet.cn/coremail/XJS/pab/view.jsp?sid=DAsqNnDDTvBGoJmQavDDFBkwPyepRtqd&totalCount=55&view_no=17&puid=330&gid=3) |
| 7 | Ye Tian | Professor, AMSS | [ytian@math.ac.cn](https://mail.cstnet.cn/coremail/XJS/pab/view.jsp?sid=DAsqNnDDTvBGoJmQavDDFBkwPyepRtqd&totalCount=55&view_no=32&puid=342&gid=3) |
| 8 | Yichao Tian | Professor, AMSS | [yichaot@math.ac.cn](https://mail.cstnet.cn/coremail/XJS/pab/view.jsp?sid=DAsqNnDDTvBGoJmQavDDFBkwPyepRtqd&totalCount=55&view_no=33&puid=340&gid=3) |

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2. **Research Fields**
3. **Invited Speakers (AMSS)**

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| **No.** | **Name** | **Main research Fields** |
|  | Baohua Fu | Algebraic Geometry |
|  | Bingyong Sun | Representation of real reductive groups, invariant generalized functions |
|  | Dasheng Wei | Arithmetic Geometry, Number theory |
|  | Song Wang | Automorphic Forms, Number Theory  |
|  | Weizhe Zheng | Algebraic Geometry |
|  | Wenwei Li | Automorphic Forms, Automorphic representations |
|  | Ye Tian | Elliptic Curve, Automorphic Form, BSD Conjecture, L-Function, Relative Trace Formula |
|  | Yichao Tian | Arithmetic Algebraic Geometry |

1. **Invited Speakers (KIAS)**

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| **No.** | **Name** | **Main research fields** |
|  | Jinhyung Park | Algebraic Geometry |
|  | Jun Ho Lee | Number Theory |
|  | Kiryong Chung | Algebraic Geometry |
|  | Kwang-Seob Kim | Number Theory |
|  | Kyungyong Lee | Cluster Algebra |
|  | Seung-Jo Jung | Algebraic Geometry |
|  | Sijong Kwak | Algebraic Geometry |
|  | Yoon Kyung Park | Number Theory |

1. **Hotel**

Liaoning International Hotel

Ms. Weiwei Qi will be responsible to show the way from the hotel to the meeting room on May 20th, 2015.

**Flight schedule of Korean participants**

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| Date | Departure Time | Arrival Time | Destination | Flight No. |
| May 19, 2015 | 19:00 | 20: 05 | Beijing | KE853 |
| May 23, 2015 | 19:10 | 22:10 | Incheon | KE5804 |

Student from AMSS will meet Korean participants in Beijing International Airport,

**Name: Ms. Weiwei Qi**

**Mobile Phone:** 15600616213