# Schedule for Summer School on Equivariant Homotopy Theory

**Venue: Room 205 , A 教学楼, Jiangwan Campus (Week 1)**

**Venue: Gu Lecture Hall Room 220 , SCMS, Jiangwan Campus (Week 2)**

| Mon. Jul. 19, Day 1, Week 1 | | |
|---|---|---|
| 08:30-09:00 | Registration (2nd Floor, A 教学楼) | |
| 09:00-10:00 | Yunze Lu | Lecture 1: Homotopy Theory Review |
| 10:00-10:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 10:30-11:30 | Yunze Lu | Lecture 2: Homotopy Theory Review |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Meng Guo | Lecture 3: Cohomology theories and naive spectra |
| 15:00-15:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 15:30-16:30 | Meng Guo | Lecture 4: Cohomology theories and naive spectra |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |
| **Tue. Jul. 20, Day 2, Week 1** | | |
| 08:30-09:00 | Registration (2nd Floor, A 教学楼) | |
| 09:00-10:00 | Yunze Lu | Lecture 5: Basics of spectra |
| 10:00-10:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 10:30-11:30 | Yunze Lu | Lecture 6: Basics of spectra |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Meng Guo | Lecture 7: Monoidal structures |
| 15:00-15:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 15:30-16:30 | Meng Guo | Lecture 8: Monoidal structures |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |
| **Wed. Jul. 21, Day 3, Week 1** | | |

| 08:30-09:00 | Registration (2nd Floor, A 教学楼) | |
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| 09:00-10:00 | Ang Li | Lecture 9: Equivariant spaces |
| 10:00-10:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 10:30-11:30 | Ang Li | Lecture 10: Equivariant spaces |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Weinan Lin | Lecture 11: Presheaves on orbit category |
| 15:00-15:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 15:30-16:30 | Weinan Lin | Lecture 12: Presheaves on orbit category |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |
| **Thu. Jul. 22, Day 4, Week 1** | | |
| 08:30-09:00 | Registration (2nd Floor, A 教学楼) | |
| 09:00-10:00 | Hana Jia Kong | Lecture 13: Axiomatic Equivariant Homology, Smith Theory |
| 10:00-10:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 10:30-11:30 | Hana Jia Kong | Lecture 14: Axiomatic Equivariant Homology, Smith Theory |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Guchuan Li | Lecture 15: Equivariant Spheres |
| 15:00-15:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 15:30-16:30 | Guchuan Li | Lecture 16: Equivariant Spheres |
| 17:30-20:00 | Banquet (Guiga 贵家炭火烤肉, B103, U-Fun Shopping Mall 悠方广场) | |
| **Fri. Jul. 23, Day 5, Week 1** | | |
| 08:30-09:00 | Registration (2nd Floor, A 教学楼) | |
| 09:00-10:00 | Hana Jia Kong | Lecture 17: Equivariant Stable Homotopy |
| 10:00-10:30 | Coffee Break (2nd Floor, A 教学楼) | |

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| 10:30-11:30 | Hana Jia Kong | Lecture 18: Equivariant Stable Homotopy |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Weinan Lin | Lecture 19: Equivariant Spectra as Presheaves |
| 15:00-15:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 15:30-16:30 | Weinan Lin | Lecture 20: Equivariant Spectra as Presheaves |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |

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| **Mon. Jul. 26, Day 8, Week 2** | | |
| 08:30-09:00 | Registration (2nd Floor, SCMS) | |
| 09:00-10:00 | Ang Li | Lecture 21: Orthogonal Spectra |
| 10:00-10:30 | Coffee Break (2nd Floor, SCMS) | |
| 10:30-11:30 | Ang Li | Lecture 22: Orthogonal Spectra |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Guchuan Li | Lecture 23: Applications |
| 15:00-15:30 | Coffee Break (2nd Floor, A 教学楼) | |
| 15:30-16:30 | Guchuan Li | Lecture 24: Applications |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |
| **Tue. Jul. 27, Day 9, Week 2** | | |
| 08:30-09:00 | Registration (2nd Floor, SCMS) | |
| 09:00-10:00 | Ningchuan Zhang | Lecture 25: Equivariant K-theory |
| 10:00-10:30 | Coffee Break (2nd Floor, SCMS) | |
| 10:30-11:30 | Ningchuan Zhang | Lecture 26: Equivariant K-theory |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Yunze Lu | Lecture 27: Equivariant cobordism |
| 15:00-15:30 | Coffee Break (2nd Floor, SCMS) | |
| 15:30-16:30 | Yunze Lu | Lecture 28: Equivariant cobordism |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |
| **Wed. Jul. 28, Day 10, Week 2** | | |
| 08:30-09:00 | Registration (2nd Floor, SCMS) | |
| 09:00-10:00 | XiaoLin Danny Shi | Lecture 29: HHR Introduction |
| 10:00-10:30 | Coffee Break (2nd Floor, SCMS) | |
| 10:30-11:30 | XiaoLin Danny Shi | Lecture 30: HHR Introduction |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Mingcong Zeng | Lecture 31: Slice Spectral Sequence |
| 15:00-15:30 | Coffee Break (2nd Floor, SCMS) | |

| 15:30-16:30 | Mingcong Zeng | Lecture 32: Slice Spectral Sequence |
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| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |

**Thu. Jul. 29, Day 11, Week 2**

| 08:30-09:00 | Registration (2nd Floor, SCMS) | |
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| 09:00-10:00 | XiaoLin Danny Shi | Lecture 33: Slice Differentials and Periodicity |
| 10:00-10:30 | Coffee Break (2nd Floor, SCMS) | |
| 10:30-11:30 | XiaoLin Danny Shi | Lecture 34: Slice Differentials and Periodicity |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Mingcong Zeng | Lecture 35: HFP Theorem |
| 15:00-15:30 | Coffee Break (2nd Floor, SCMS) | |
| 15:30-16:30 | Mingcong Zeng | Lecture 36: HFP Theorem |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |

**Fri. Jul. 30, Day 12, Week 2**

| 08:30-09:00 | Registration (2nd Floor, SCMS) | |
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| 09:00-10:00 | XiaoLin Danny Shi | Lecture 37: Detection Theorem 1 |
| 10:00-10:30 | Coffee Break (2nd Floor, SCMS) | |
| 10:30-11:30 | XiaoLin Danny Shi | Lecture 38: Detection Theorem 1 |
| 11:30-12:30 | Lunch (1st Floor, Dining Hall) | |
| 14:00-15:00 | Mingcong Zeng | Lecture 39: Detection Theorem 2 |
| 15:00-15:30 | Coffee Break (2nd Floor, SCMS) | |
| 15:30-16:30 | Mingcong Zeng | Lecture 40: Detection Theorem 2 |
| 16:30-18:30 | Supper (1st Floor, Dining Hall) | |