



JING WANG

PERSONAL DATA

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RESEARCH AREA

Observational galaxy formation and evolution, particularly the following aspects:

- Galaxy evolution traced by the HI gas.
- Galaxy evolution driven by the environmental effects.
- The stellar structure of disk galaxies.

RESEARCH EXPERIENCE

Kavli Institute for Astronomy and Astrophysics (KIAA) August 2023– present
Peking University (PKU), China

Associate professor. Research on evolution of galaxies, especially properties of the HI gas.

Kavli Institute for Astronomy and Astrophysics (KIAA) May 2017– August 2023
Peking University (PKU), China

Assistant professor. Research on evolution of galaxies, especially properties of the HI gas.

Australia Telescope National Facility (CSIRO/ATNF), Australia May 2014– April 2017
OCE Postdoctoral Research Fellow. Research on galaxies from HI surveys.

Max Planck Institute for Astrophysics (MPA), Germany Jan. 2012– Apr. 2014
Postdoctoral Research Fellow. Research on galaxies at low- z .

EDUCATION

Ph.D., Astronomy Sep. 2007–Dec. 2011

University of Science and Technology of China, China

Dissertation: Gas and galaxy formation in the local universe

Supervisor: Prof. Xu Kong

Visiting student Mar. 2008–Sep. 2011

Max Planck Institute for Astrophysics (MPA), Germany

Project: Multi-wavelength analysis for galaxies from the (COLD)GASS project
Supervisor: Prof. Guinevere Kauffmann

B.Sc., Astronomy

Sep. 2003–Jun. 2007

University of Science and Technology of China, China

GRANTS (since 2020)

Overview (since 2020): in total 14,521,000 yuan, including 13,040,000 yuan as **PI**.

- **Northern Sky HI Image Survey for Extended Sources.** Project in Specific Key Program for Large Equipment of National Key R&D Program of China, NO. 2022YFA1602902, **5,700,000 yuan**, 2022-2027, as **PI**.
- **Observational Study of Galactic Small-scale structures and Theoretical predictions.** Chinese Space Station Telescope ES II. **4,500,000 yuan**, 2023-2024, as **PI**.
- **Cosmological Evolution of Galaxy Morphology and Structure.** Key program of National Science Foundation of China, NO. 12233001, **2,900,000 yuan**, 2023-2027, as **co-I with quota 500,000 yuan**.
- **Pre-Study of Galactic Small-scale structures.** Chinese Space Station Telescope ES I, NO. CMS-CSST-2021-B02, 3,000,000 RMB, 2020-2022, as **co-i, with quota 981,000 yuan**.
- **Observational Study of the Radial Distribution of HI Gas in Galaxies.** General grants of National Science Foundation of China, NO. 12073002, **610,000 yuan**, 2021-2024, as **PI**.
- ACAMAR Visiting Fellowship, **\$12,000**, 2020, as **PI**.
- **The neutral gas and star formation in galaxies.** The Grant of Peking University to build a world-class university (discipline), **170,000 yuan**, 2017-2018, as **PI**.
- Oversea Distinguished Young Researcher program, **2,000,000 yuan**, 2017, as **PI**.

LEADERSHIP IN LARGE OBSERVING PROGRAMS (since 2020)

- **FLOWER:** FAST Long-exposure Observation of Wide-field HI Emission around/behind Resolved galaxies. As **PI**.
It is built upon FEASTS Selected as a second-round Key & Priority Program at FAST (ID: ZD2025_7). 500 hours assigned for 2025-2028. It will map the HI of a few tens central galaxies, together with their surroundings within the virial radius, of Milky-Way like halos in the local universe ($d < 20$ Mpc). The image depth will reach the ISM-CGM interface. It will also blindly survey the HI of ~ 250 deg² with redshift > 0.01 behind those local halos. The HI mass catalog will allow an unbiased measure of the HI richness varying with other galaxy properties for a sample of galaxies spanning three orders of magnitude in stellar mass. Web: <https://github.com/FLOWER-2025A/survey/wiki>.
- **FEASTS:** FAST Extended-Atlas-of-Selected-Targets Survey. As **PI**.
FEASTS studies the physics of IGM, CGM, and ISM, and their link to galaxy evolution. It is assigned hundreds of hours observing time at FAST, and complements the program with multi-wavelength data including HI interferometric, ALMA CO, MUSE IFS, DESI spectroscopy, and DECam H α narrow-band images. It is supported by National Key R&D Program of China with an assigned grant of 5,700,000 yuan. Web: <http://kavli.pku.edu.cn/~jwang/FEASTS>
- **WALLABY:** Widefield ASKAP L-band Legacy All-sky Blind survey. As **Low-z Universe Science Working Group co-chair**.

WALLABY is one of two key surveys that are now running on the Australian SKA Pathfinder (ASKAP). It observes three-quarters of the whole sky in the 21-cm line of HI at 30-arcsec resolution, thereby detecting and imaging the gas distribution in hundreds of thousands of external galaxies in the local Universe. Among the 5 SWGs, SWG-3 focuses on statistical study of galaxy evolution in the local universe. Web: <https://wallaby-survey.org/>

PUBLICATION

OVERVIEW & HIGHLIGHT:

- **Full list:** <https://scixplorer.org/user/libraries/77MXBqr7Td-k-FEVbPkkCw>, also see the Full Publication List.
- **Metrics** (up to March 2026): in total 142 published or accepted refereed papers, including 42 first-authored or corresponding-authored ones. They have in total over 7000 referred citations, and an h-index of 39.
- **Metrics** (2021-March 2026): 74 published or accepted referred papers, including 28 corresponding-author papers (including 6 first-author ones). They have in total >1100 referred citations.
- **Major topics:** the environmental effects on galaxy evolution, the galactic structures, the star formation in galaxies, the ISM-CGM connections.
- **Highlight:** Wang et al. (2021) was the first science paper of WALLABY pilot survey, and was highlighted by AAS Author Series. Wang et al. (2023) was reported in Contact – Magazine of the SKA Office.

TEN SELECTED PUBLICATIONS (2021-2026):

First-authored:

1. Wang, J., Yang, D., Lin, X., et al. 2025, ApJ, 980, 25
FEASTS: Radial Distribution of H I Surface Densities Down to $0.01 M_{\odot} \text{ pc}^{-2}$ of 35 Nearby Galaxies (Citation:10)
2. Wang, J., Lin, X., Staveley-Smith, L. et al. 2024, ApJ, 973, 15
FEASTS Combined with Interferometry. II. Significantly Changed H I Surface Densities and Even More Inefficient Star Formation in Galaxy Outer Disks (Citation: 9)
3. Wang, J., Lin, X., Yang, D., et al. 2024, ApJ, 968, 48
FEASTS Combined with Interferometry. I. Overall Properties of Diffuse H I and Implications for Gas Accretion in Nearby Galaxies (Citation: 20)
4. Wang, J., Yang, D., Oh, S., et al. 2023, accepted for publication at ApJ, 944, 102
FEASTS: IGM cooling triggered by tidal interactions through the diffuse HI phase around NGC 4631 (Citation: 29)
5. Wang, J., Staveley-Smith, L., Westmeier, T., et al. 2021, ApJ, 915, 70.
WALLABY Pilot Survey: The Diversity of Ram Pressure Stripping of the Galactic H I Gas in the Hydra Cluster (Citation: 59)

Corresponding-authored as supervisor:

6. Lin, X., Wang, J., Staveley-Smith, L., et al. 2025, ApJ, 982, 151
FEASTS Combined with Interferometry. III. The Low-column-density HI Around M51 and Possibility of Turbulent-mixing Gas Accretion (Citation: 7)
7. Yang, D., Wang, J., Qu, Z., et al. 2025, ApJ, 984, 15
FEASTS Combined with Interferometry (IV): Mapping HI Emission to a limit of $N_{\text{HI}} = 10^{17.7} \text{ cm}^{-2}$ in Seven Edge-on Galaxies (Citation:7)

8. Huang, Q., Wang, J., Lin, X., et al. 2025, ApJ, 980, 157
WALLABY Pilot Survey: Star Formation Enhancement and Suppression in Gas-rich Galaxy Pairs
9. Lin, X., Wang, J., Kilborn, V., et al. 2023, ApJ, 956, 148
FAST-ASKAP Synergy: Quantifying Coexistent Tidal and Ram Pressure Strippings in the NGC 4636 Group (Citation:14)
10. Wang, S., Wang, J., For, B.-Q., et al. 2022, ApJ, 927, 66.
WALLABY Pre-pilot Survey: The Effects of Tidal Interaction on Radial Distribution of Color in Galaxies of the Eridanus Supergroup (Citation: 23)

TELESCOPE TIME ASSIGNED (since 2017)

FAST:

- **SQB-2025-0174**, HI image. Low Column-Density HI tails of HI-rich Galaxies in the Virgo Cluster Outskirts. 10 hours, 2025. As PI.
- **SQB-2025-0201**, HI image. HI mapping of tidal interactions among three star-forming dwarf galaxies. 8 hours, 2025. As supervisor.
- **SQB-2025-0014**, HI spectra. The evolution of the atomic gas fraction in post-merger galaxies. 15 hours, 2025.
- **SQB-2025-0231**, HI image. Mapping HI emission in a complete local volume sample of extremely HI-rich dwarf galaxies. 10 hours, 2025. As supervisor
- **SQB-2025-0256**, HI image. TIANGANG: Probing Circumgalactic HI around Local Milky Way Analogs with FAST. 7.5 hours, 2025.
- **SQB-2024-0058**, HI image. A Contiguous H I Mapping for Galaxies Evolving in $10^{13} M_{\odot}$ Galaxy Groups. 15 hours, 2024. As supervisor.
- **SQB-2024-0143**, HI image. Formation of the luminous infrared galaxies NGC 6240. 10.17 hours, 2024. As supervisor.
- **SQB-2024-0174**, HI spectra, Building a Statistical Sample of HI Emission in Fast Radio Burst Host Galaxies. 4 hours, 2024. As co-i.
- **SQB-2024-0001**, HI spectra. The Atomic Hydrogen Gas in Post-Starburst Galaxies. 10 hours, 2024. As co-i.
- **SQB-2023-0022**, HI image. FEASTS: FAST Extended-Atlas-of-Selected-Targets Survey. 50 hours, 2023. As **PI**.
- **SQB-2023-0023**, HI image. Tracing the evolution of galaxies falling into the Coma Cluster. 50 hours, 2023. As **PI**.
- **SQB-2023-0113**, HI image. Formation of the Extended Ultraviolet Disk in NGC 4625. 15 hours, 2023. As supervisor.
- **SQB-2023-0049**, HI spectra. A systematic survey of atomic gas in post-starburst galaxies. 25 hours, 2023. As co-i.
- **SQB-2022-0040**, HI image. FEASTS: FAST Extended-Atlas-of-Selected-Targets Survey. 70 hours, 2022. As **PI**.
- **SQB-2022-0201**, HI image. AVID-FAST: Atomic gas in Virgo Interacting Dwarfs - FAST HI mapping. 28 hours, 2022. As co-i.
- **SQB-2022-0190**, HI spectra. Testing AGN Feedback in Quasars with H I Observations. 27.5 hours, 2022. As co-i.
- **SQB-2022-0193**, HI spectra. The Tully-Fisher Relation of Polar Ring Galaxies. 18 hours, 2022. As co-i.

- **SQB-2021-0057**, H_I image. FEASTS: a Flux-Complete Image Survey of Extended H_I Disks in the Local Volume. 70 hours, 2021. As **PI**.
- **SQB-2021-0208**, H_I spectra. A Search for Neutral Hydrogen in the High-Redshift Galaxy Analogs. 22 hours, 2021. As co-i.
- **PT2020_0104**, H_I image. Preprocessing of galaxies infalling into the Coma Cluster. 25 hours, 2020. As **PI**.
- **2019a-036-S**, H_I image. Deep H_I imaging of the group NGC 4636: a pilot survey for FAST-ASKAP synergetic H_I observations. 20 hours, 2019. As **PI**.

MeerKAT:

- **MKT-22145**, H_I image. The Interaction of NGC 4532/DDO 137 with the Virgo cluster. 10 hours, 2022. As co-i.
- **MKT-22038**, H_I image. High resolution H_I observation on Criss Cross Nebula: the case study for shock-cloud interaction. 8 hours, 2022. As **initiator** and co-i.
- **MKT-20101**, H_I image. Accelerated evolution in the densest groups of galaxies: MeerKAT imaging of the missing H_I. 37.5 hours, 2021. As co-i.

ALMA:

- **2022.1.01556.S**, CO(1-0) image. WALLABY-CO survey of the Hydra cluster: a better understanding of environmental effects on cluster galaxies. 73.9 hours at grade-B, 2022. As **supervisor**.
- **2022.1.01439.S**, CO(1-0) image. Pre-processing of galaxies in the infalling groups to the Virgo Cluster. 61.8 hours at grade-C, 2022. As **supervisor**.
- **2022.1.00266.S**, CO(1-0) image. A pathfinder dense molecular gas survey for SDSS galaxies. 23.9 hours at grade-C, 2022. As co-i.
- **2019.1.01804.S**, CO(1-0) image. A GEMS CO follow-up survey of IC 1459 group and NGC 4636 group. 37 hours at grade-A, 2019. As **supervisor**.
- **2019.1.00722.S**, CO(1-0) image. Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array. 130 hours at grade-A, 2019. As **initiator** and co-i.
- **2017.1.00129.S**, CO(1-0) image. Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array. 141 hours at grade-A, 2017. As **initiator** and co-i.

VLA:

- **VLA/23A-262**, H_I image. Dark matter deficient dwarf galaxies. 60.00 hours at Priority B. As co-i.
- **VLA/22B-046**, H_I image. A Pilot Survey of H_I gas in Quasar Host galaxies. 38.60 hours at Priority B. As co-i.
- **VLA/22B-016**, radio continuum image. VLA S-BAND OBSERVATIONS OF 7 SPIRAL GALAXIES: Completion of CHANG-ES S-band. 22.28 hours at Priority A. As co-i.
- **VLA/21A-033**, radio continuum image. VLA S-BAND OBSERVATIONS OF 28 SPIRAL GALAXIES FROM THE CHANG-ES SAMPLE. 70.21 hours at Priority B, 66.08 hours at Priority C. As co-i.

CFHT:

- **K1-03-00019**, H α image at Mega Cam. Characterizing Gas Accretion in Tidally Interacting Galaxies by Tracing the Warm Ionized Gas, 4.6 hours at QSO Grade-A, Rank-1, 2024. As **PI**.

DECam:

- **2020A-0353**, H α image. An H-alpha survey of the NGC 4636 galaxy group, 5 dark nights, 2020. As **initiator** and co-i.

STUDENT & POSTDOC SUPERVISION (since May 2017)

OVERVIEW & HIGHLIGHT:

- In total, 5 on-going doctoral thesis, 4 finished PhD. thesis (2 co-supervised), 11 finished bachelor thesis, 7 finished undergraduate research training programs, 2 finished and 1 on-going post-doctoral programs. 3 of the undergraduate research training programs won prize (10,000 yuan each) of Beijing Innovation Plan for Undergraduates.
- The on-going PhD. students are builders of the FEASTS survey, and are deeply involved in the ASKAP-WALLABY survey. PhD. student Xuchen Lin is the only Ph.D student among the lead-author team of the paper of WALLABY pilot survey data release; the lead-author list is followed by the list of survey builders and other co-authors contributing to the paper.
- PhD. student Dong Yang won the **Best Presentation of Students** in the Annual Meeting of the Astronomical Society of China in 2021. PhD. student Shun Wang got the highest score in research review for students at KIAA in 2021.

PH.D. THESIS:

1. **Hydrodynamic aspect of galaxy interactions.**, Qifeng Huang, 2022-present.
2. **Galaxy Evolution Driven by Interstellar Medium Interacting with Surroundings**, Xuchen Lin, 2022-present.
3. **The multi-phase structure of galaxies**, Ze-zhong Liang, 2021-present.
4. **Galaxy evolution driven by environmental effects of different scales**, Shun Wang, 2020-present.
5. **Galaxy evolution with Hi observations by FAST**, Dong Yang, 2019-2025.
6. **Physical constraint to galaxy evolution from the integral spectra of neutral hydrogen**, Niankun Yu, 2017-2022 (Co-supervision). Current status: *postdoc at NAOC*.
7. **Galactic HI disk structure and kinematics**, Yun Zheng, 2017-2022. Current status: *postdoc at Zhejiang Lab*.
8. **Galaxy evolution constrained by scaling relations**, Xinkai Chen (USTC), 2016-2022 (Co-supervision). Current status: *postdoc at PKU*.

B.SC. THESIS:

1. **HI scaling relations of low-mass galaxies**, Huiling Chen, 2021-2022. Current status of student: *PhD candidate at PKU*.
2. **A summary of multi-wavelength data for galaxies from the FEASTS sample**, Weiyu Zeng, 2021-2022.
3. **Galaxy non-axisymmetric structures and the distribution of gas**, Zezhong Liang, 2020-2021. Current status: *PhD candidate at PKU*.

4. **A comparison between the observed and simulated velocity fields of the neutral hydrogen**, Hangyuan Li, 2020-2021. Current status: *PhD candidate at PKU*.
5. **The relation between HI asymmetries measured from different data dimensions**, Zeyu Ding, 2020-2021.
6. **HI of CHANGES galaxies**, Qingchuan Ma, 2019-2020 (Co-supervision). Current status: *PhD candidate at PKU*.
7. **Optical thickness of galactic disks**, Zewei Tian, 2019-2020.
8. **HI of galaxies in the Eridanus Cluster**, Shun Wang, 2019-2020. Current status: *PhD candidate at PKU*.
9. **Velocity dispersion of HI in Bluedisk galaxies**, Dingyi Zhao, 2018-2019. Current status: *PhD candidate at PKU*.
10. **The radial distribution of star forming burst fraction in Bluedisk galaxies**, Dong Yang, 2018-2019. Current status: *PhD candidate at PKU*.
11. **Modeling the HI radial distributions**, Xiao Li (BNU), 2018-2019 (Co-supervision). Current status: *PhD candidate at THU*.

UNDERGRADUATE RESEARCH TRAINING PROGRAM:

1. **Non-axisymmetric structures in the HI and in the optical**, Yuanzhe Dong, 2022-present.
2. **HSC+SDSS image analysis of galaxies in the group NGC 4636**, Xuchen Lin, 2020-2021.
3. **Astronomy with amateurish telescopes**, Zhuokai Liu, 2020-2021.
4. **Structure decomposition for nearby disk galaxies**, Zezhong Liang, 2019-2020.
5. **Fitting the radial motion of gas in galaxies**, Hangyuan Li, 2019-2020.
6. **HI in early type galaxies**, Shun Wang, 2018-2019.
7. **Disk breaks in numerical simulations**, Yi Kang, 2018-2019.

POSTDOC:

1. **FAST HI imaging of the nearby universe**, Dong Yang, 2025-present.
2. **FAST HI observation of the 4636 groups**, Pei Zuo, 2019-2022 (co-supervision). Current status: *postdoc at NAOC*.
3. **CO(1-0) image observation of galaxies in the IC 1459 and NGC 4636 groups**, Bumhyun Lee, 2019-2021. Current status: *postdoc at KASI*.
4. **Kinematics of HI in galaxies**, Toky Herimandimby Randriamampandry, 2017-2020. Current status: *postdoc at Valongo observatory in Rio de Janeiro*.

TEACHING

COURSES:

1. **Physics of interstellar medium**, course for graduates and undergraduates, 3 credits. Spring of 2026.
2. **Physics of interstellar medium**, course for graduates, 3 credits. Spring of 2018-2025.
3. **Galaxy physics**, course for graduates, 3 credits. Fall 2021. Spring 2023.
4. **Astrophysics discussion seminar**, course for under-graduates, 2 credits. Spring of 2018-2026.
5. **Astrophysics experiment**, course for under-graduates, 2 credits. Fall 2020-2024. (Co-teach, quota 25%).

OTHER INVITED LECTURES:

1. **Experimental Astronomy**, graduate course of Qinghua University, China, 2018-2025. One lecture each year on radio interferometry.
2. **CSST summer school**, China, Aug. 2022. One lecture on galactic small-scale structures.
3. **TNG Galactic Fidelity: Galaxy Analysis with MeerKAT and other Decimeter Radio Telescopes**, South Africa, 5-16 Nov. 2018. One lecture on galactic scaling relations, and one lecture on astronomical statistical analysis.

PRIZES:

- First prize of Teaching Achievements of PKU, 2021, “Revolution in Teaching of Observational Astrophysics”. (Shared with 5 colleagues).
- ICBC Outstanding Teacher Award of PKU, 2021.

SERVICE (since May 2017)

INTERNATIONAL:

- Co-chair of the SKA HI galaxy Science Working Group. 2026-present.
- Science Editor of American Astronomical Society. 2024-present.
- Co-chair of Local Universe Working Group (SWG-2) of ASKAP-WALLABY, 2019-present. Co-author of WALLABY report to **Review of ASKAP Survey Science Proposals**, 2022. Among builders of WALLABY Early-Science, and Pilot Survey. SOC of several WALLABY science meetings.
- Science Editor of American Astronomical Society, 2024-present.
- Member of Pathfinder HI Survey Coordinating Committee (PHISCC), 2024-present.
- Science Editor of the SKA Science Book II, the HI Galaxy Chapter. 2026.
- SOC member of conference **PHISCC HI workshop 2025**, Sardinia, Italy, 2020.
- Designer and mentor of international conference **KIAA Forum on Gas in Galaxies for Early Career Scientists (KooGiG-Junior)**, Beijing, China, 2021.
- SOC co-chair of ACAMAR Workshop on Gas in Galaxies, Perth, Australia, 2023.
- Coordinator (KIAA node) of ICRAR-KIAA joint postdoc program, 2017-2022.
- SOC member of conference **PHISCC HI workshop 2020**, Sardinia, Italy, 2020.
- SOC co-chair of international conference **KIAA Forum on gas in galaxies 2019: Multiple-phase Interstellar medium: Probing the Activities and Power Engines from Local to Distant Universe**, Beijing, China, 2019.
- Designer of international conference **KIAA Forum on Gas in galaxies**, SOC chair of the first forum on **Star Formation and Quenching**, Beijing, China, 2018.
- SOC member of **The Next Generation Galactic Fidelity**, Cape Town, South Africa, 2018.

DOMESTIC:

- External member of Thesis Committee for 2 PhD students at THU, 2020-present.
- Reviewer for 15 PhD thesis defenses in THU, NAOC, USTC, etc., 2017-present.
- Proposal reviewer for Youth Foundation of Natural Science Foundation of China, 2021-present.
- Proposal reviewer for Teenagers’ FAST Observing Program, China, 2022.
- Proposal reviewer for FAST, China, 2020.
- Proposal reviewer for Telescope Access Program, China, 2020.
- Co-author of Chinese SKA White Book: evolution and kinematics of HI detected galaxies, 2019

PKU:

- SOC member and mentor of SOC-junior of weekly CSST Discussion (KIAA), 2020-present.
- Member of Postdoc Committee (KIAA), 2018-present.
- Reviewer for 11 PhD thesis defenses, 2017-present.
- Thesis Committee member of 7 PhD students, 2017-present.
- Research Review Committee member of many postdocs, 2017-present.
- Judge of research competition of (under)graduate students (KIAA), 2017-present.
- Reviewer of Research Training Program of undergraduate students (KIAA), 2017-present.
- Reviewer of Bachelor thesis, 2017-present.
- Co-author of KIAA Strategy Planning: Extra-galactic , 2021.
- Organizer of weekly ISM Discussion (KIAA), 2018-2020.
- Reviewer of Zhong Shengbiao Postgraduate Academic Forum, 2018, 2020.
- Reviewer of Trials for China Undergraduate Physics Tournament (CUPT), 2018.

ACADEMIC COMMUNICATION (May 2017-Jan. 2023)

WORKSHOP, CONFERENCE and MEETING ATTENDANCE:

1. **The AGN feedback**, Suzhou, China, 21-24 Dec., 2025. Invited talk.
2. **The Baryon Cycle from Reionization to the Cosmic Noon**, Puerto Varas, Chile, 8-12 Dec., 2025. Invited talk.
3. **Modelling of Multiphase Astrophysical Media**, Ringberg bei Munich, Germany, 2-7 Nov., 2025. Contributed talk.
4. **The Pathfinder HI Science Coordinating Committee meeting**, Cagliari, Italy, 22-26 Oct., 2025. Contributed talk.
5. **The Chinese Space Station Telescope Science meeting**, Kunming, Yunan, 26-29 Jul., 2025. Contributed talk.
6. **Cosmic Ecosystems in Radio & Optical**, Perth, Australia, 9-13 Dec. 2024. Invited talk.
7. **IAUS 392: Neutral hydrogen in and around galaxies in the SKA era**, Cape Town, South Africa, 13-15 Aug. 2024. Invited talk.
8. **The physical processes shaping the stellar and gaseous histories of galaxies**, Pisa, Italy, 27-31 May 2024. Invited talk.
9. **Interaction between Galaxies and Large-scale Environment**, Hangzhou, China, 9-11 Apr. 2024. Invited talk.
10. **Cross-Strait Forum on Radio Astronomy 2024**, Shanghai, China, 29 Feb.-1 Mar. 2024. Invited talk.
11. **AGN Feedbacks**, Wuhu, China, 2-4 Sep. 2023. Invited talk.
12. **Santa Cruz Workshop on Galaxy Formation**, Santa Cruz, the US, 7-11 Aug. 2023. Invited talk.
13. **ACAMAR 9: Australia-China Workshop on Astrophysics**, Perth, Australia, 31 July-2 Aug. 2023. Invited talk.
14. **Cross-Strait Forum on Radio Astronomy 2022**, online, 24-26 Oct. 2022. Invited talk.
15. **ACAMAR 8: Australia-China Workshop on Astrophysics**, online, 11-13 Oct. 2022. Contributed talk.
16. **ACAMAR 7: Australia-China Workshop on Astrophysics**, online, 11-13 Oct. 2021. Plenary talk.
17. **A Precursor View of the SKA Sky: HI session**, online, 15-19 Mar. 2021. Contributed talk.

18. **Shoujing Guo meeting 22: frontier of galaxy and cosmology**, Guangzhou, China, 21-24 Nov. 2020. Invited talk.
19. **Multiphase Gas in Galaxy Groups**, Charlottesville, Virginia, USA, from 23-25 Jun. 2020. Invited talk. (Postponed due to COVID-19.)
20. **CGM Berlin 2019**, Berlin, Germany, 3-5, October, 2019. Invited talk.
21. **Galaxy Evolution in a New Era OF HI Surveys workshop**, Munich, Germany, 12-23 Aug., 2019, invited talk.
22. **CHANG-ES Workshop**, Nanjing, China, 13-17 May 2019. Invited talk.
23. **PHISCC2019**, Perth, Australia, 11-15 Feb. 2019. Contributed talk.
24. **The HI/Story of the Nearby Universe**, Groningen, the Netherland, 10-12 Sep. 2018. Contributed talk.
25. **The 1st KIAA Forum on Gas in Galaxies**, Beijing, China, 18-22 Jun. 2018. Contributed talk.
26. **2018 PHISCC Workshop**, Pingtang, China, 11-13 Jun. 2018. Contributed talk.
27. **ACAMAR 4: Australia-China Workshop on Astrophysics**, Chengdu, China, 6-8 Jun. 2018. Invited talk.
28. **Radio Astronomy Forum**, Pingtang, China, 25-28 Sep. 2017. Contributed talk.
29. **Stellar Populations and the Distance Scales**, Beijing, China, 11-15 Sep. 2017. Contributed talk.
30. **5th US-China Workshop on Radio Astronomy**, 27-29 Jul. 2017. Contributed talk.

ACADEMIC VISITS:

1. **National Observatory of China**, China, many times. Colloquium given on 14 Oct. 2025.
2. **National Observatory of China**, China, many times. Lecture given on 4 Sep. 2025.
3. **International Centre for Radio Astronomy Research**, Australia, 2-7 Dec., 2024.
4. **Max-Planck Institute for Astrophysics**, Germany, 15-26 Jul., 2024. Seminar given.
5. **University of California, Santa Cruz**, the US, 14-17 Aug., 2023.
6. **International Centre for Radio Astronomy Research**, Australia, 3 Jul.-4 Aug., 2023, ACAMAR fellowship for Senior Visitor.
7. **Qinghua University**, China, many times. Colloquium given on 16 Oct. 2020.
8. **National Observatory of China**, China, many times. Colloquium given on 20 Mar. 2019.
9. **Shanghai Astronomical Observatory**, China, many times. Colloquium given on 5 Dec. 2018.
10. **International Centre for Radio Astronomy Research**, Australia, 30 Jan-15 Feb, 2019, ASTRO 3D Science Visitor.
11. **Australia Telescope National Facility**, Australia, 21-25 Jan, 2019.
12. **Stromolo Observatory, Australia National University**, Australia, 8-18 Jan. 2019.
13. **Shanghai Jiaotong University**, China, 24-26 Oct. 2018. Colloquium given.

ONLINE COLLOQUIA:

1. **Zhejiang University**, China, 7 Nov. 2022.
2. **Galactic Fidelity**, South Africa, 1 Apr. 2021.
3. **University of KwaZulu-Natal**, South Africa, 9 Oct. 2020.
4. **Xiamen University**, China, 29 Oct. 2020.
5. **Nanjing University**, China, 5 Oct. 2020.