

# Curriculum Vitae

## *PERSONAL DATA*

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**Jing Wang**

Nationality: China

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## *RESEARCH INTERESTS*

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Gas accretion onto galaxies; the cold gas and stellar structure of galaxies; the morphological transformation of galaxies; the correspondence between star formation and cold gas; the effect of cluster and group environments on galaxies

## *TECHNIQUES AND SKILLS*

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Synthesis radio data reduction and analysis; multi-wavelength resolution matched photometry; morphology parameterising; image decomposition for galaxy structures; Image stacking; SED fitting

## *RESEARCH EXPERIENCE*

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- Kavli Institute for Astronomy and Astrophysics (KIAA), China** May 2017– current  
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 Post-doctoral Fellow. Multi-wavelength analysis for galaxies from the LVHIS project.
- Max Planck Institute for Astrophysics (MPA), Germany** Jan. 2012– Apr. 2014  
Post-doctoral fellow. Multi-wavelength analysis for galaxies from the Bluedisk projects.
- Max Planck Institute for Astrophysics (MPA), Germany** Mar. 2008–Sep. 2011  
Visiting student. Multi-wavelength analysis for galaxies from the GASS and COLD GASS projects.

## *EDUCATION*

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- Ph.D., Astronomy** Sep. 2007–Dec. 2011  
University of Science and Technology of China, China  
Dissertation title: “Gas and galaxy formation in the local universe”  
Supervisor: Prof. Xu Kong & Prof. Guinevere Kauffmann
- B.Sc., Astronomy** Sep. 2003–Jun. 2007  
University of Science and Technology of China, China

## *OBSERVING EXPERIENCE*

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- **Radio interferometry:**  
HI in nearby galaxies, ATCA, Australia, 160 hours, 2014-2015.  
Telescope duty, ATCA, Australia, 672 hours, 2014-2016.
- **Radio single-dish spectroscopy:**  
CO in low redshift galaxies, IRAM 30m, Spain, 40 hours, 2010-2011.  
HI in low redshift galaxies, Arecibo (remotely), 8 hours, Mar. 2010.
- **Optical imaging:**  
U and B band imaging of a high redshift cluster, WHT, Spain, 10 hours, Oct. 2008.

## *Thesis supervision*

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1. **Quenching of star formation in dwarf galaxies**, PhD. student Yun Zheng (PKU, China), June 2017-current.
2. **HI in the disk and bulge of galaxies**, PhD. student Xinkai Chen (USTC, China), Mar. 2015-current.
3. **Structure decomposition for nearby disk galaxies**, undergraduate research program, Zezhong Liang (PKU, China), May 2019-current
4. **CMD fitting for nearby galaxies**, undergraduate research program, Hangyuan Li (PKU, China), May 2019-current
5. **HI in early-type galaxies**, undergraduate research program, Shun Wang (PKU, China), Mar. 2018-current

6. **Disk breaks in simulation**, undergraduate research program, Yi Kang (PKU, China), Mar. 2018-current
7. **Velocity dispersion of HI in Bluedisk galaxies**, Bachelor thesis, Dingyi Zhao (PKU, China), June 2018-June 2019.
8. **The radial distribution of star forming burst fraction in Bluedisk galaxies**, Bachelor thesis, Dong Yang (PKU, China), June 2018-June 2019.

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*WORKSHOPS, CONFERENCES and MEETINGS*

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1. **CHANGES Workshop**, 13-17 May 2019. Invited talk.
2. **PHISCC2019**, 11-15 Feb. 2019. Contributed talk.
3. **The HI/Story of the Nearby Universe**, 10-12 Sep. 2018. Contributed talk.
4. **The 1st KIAA Forum on Gas in Galaxies**, 18-22 Jun. 2018. Chair of the meeting. Contributed talk.
5. **2018 PHISCC Workshop**, 11-13 Jun. 2018. Contributed talk.
6. **ACAMAR4: Australia-China Workshop on Astrophysics**, 6-8 Jun. 2018. Invited talk.
7. **Radio Astronomy Forum**, Pingtang, China, 25-28 Sep. 2017. Contributed talk.
8. **Stellar Populations and the Distance Scales**, Beijing, China, 11-15 Sep. 2017. Contributed talk.
9. **5th US-China Workshop on Radio Astronomy**, 27-29 Jul. 2017. Contributed talk.
10. **Mock Perth: Challenges for Simulations in the Era of SKA and large IFU Surveys**, Perth, Australia, 22-22 Mar. 2017. Invited talk.
11. **From Field to Clusters: HI as a tracer of Galaxy evolution**, Melbourne, Australia, 8-10 Mar. 2017. Contributed talk.
12. **ALMA workshop "Extensive CO survey of nearby galaxies with ACA"**, Tokyo, Japan, 7-9 Dec. 2016. Invited talk.
13. **ACAMAR workshop**, Suzhou, China, 5-6 Dec. 2016. Invited talk.
14. **Inaugural Australia-China Workshop (ACAMAR) on Astrophysics**, Perth, Australia, 5-7 April. Contributed talk.
15. **The FAST early science meeting "FRA2015"**, Guiyang, China, 29-31 Jul. 2015. Contributed talk.
16. **Multiwavelength Dissection of Galaxies'**, conference, Sydney, Australia, 24-29 May, 2015. Contributed talk.
17. **The Periphery of Disks**, conference, Sydney, Australia, 3-6 Nov, 2014. Contributed talk.
18. **Astronomical Society of Australia Annual Scientific Meeting 2014**, Sydney, Australia, 20-25, Jul. 2014. Contributed talk.
19. **The Challenges of the Upcoming HI Surveys**, the 7th International PHISCC Workshop, Leiden, the Netherland, 17-19 Mar. 2014. Contributed talk.
20. **Gas, Stars and Black Holes in the Galaxy Ecosystem**, workshop, Leiden, the Netherland, 23-27 Jul. 2012 . Poster.
21. **Disc Galaxy Formation in a cosmological context**, Heidelberg, Germany, 14-18 May 2012. Contributed talk.
22. **AAS 219th meeting**, Austin, the US, 8-12 Jan. 2012. Contributed talk.
23. **Chinese astronomy union annual Conference**, Nanchang, China, 30 Oct.-2 Nov. 2011. Contributed talk.
24. **Gas in Galaxies: from Cosmic Web to Molecular Clouds**, conference, Seon, Germany, 14-18 Jun. 2011. Contributed talk.
25. **Workshop on Galaxy Formation and Cosmology**, Hangzhou, China, 26-29 April 2011. Contributed talk.
26. **HI Pathfinder Workshop**, Perth, Australia, 2-4 Feb 2011 . Contributed talk.
27. **Hunting for the dark: the hidden side of galaxy formation**, conference, Malta, 19-23 Oct 2009. Poster.

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*ACADEMIC VISITS*

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1. **International Centre for Radio Astronomy Research**, Australia, 30 Jan-15 Feb, 2019, ASTRO 3D Science Visitor.

2. **Australia Telescope National Facility**, Australia, 21-25 Jan, 2019.
3. **Stromolo Observatory, Australia National University**, Australia, 8-18 Jan, 2019
4. **Stromolo Observatory, Australia National University**, 18-29 April, 2016, colloquium presentation.
5. **National Astronomical Observatory of China**, 24 Jul, 2015, colloquium presentation.
6. **Kavli Institute for Astronomy and Astrophysics**, China, 23 Jul, 2015, colloquium presentation.
7. **Center for Astrophysics and Supercomputing of Swinburne University**, 23-25 Mar, 2015, colloquium presentation.
8. **Columbia University Department of Astronomy**, the US, 20 Jan. 2012, seminar presentation.
9. **New York University Department of Physics**, the US, 19 Jan. 2012.
10. **University of Texas Department of Astronomy** , Austin, the US. 5-18 Jan. 2012.
11. **Shanghai Astronomical Observatory**, China, 15-19 Dec. 2011, seminar presentation.
12. **Purple Mountain Observatory**, China, 14 Dec. 2011, seminar presentation.

## *REFERENCES*

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### **Dr. Bärbel Koribalski**

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