

RAF 2017 CONFERENCE PROGRAM

Sept 24th: Check-in

19:00 Welcome Dinner

Sept 25th:

Opening Session:

8:30	Yan, Jun	Opening Speech	DG, NAOC
8:35	Wu, Shenghua	Welcome Speech	Governor, QianNan
8:40	Peng, Jiang	The Commissioning Status of FAST	
9:00	Coffee Break + Conference Photo		

Session I: FAST Plans and Overview of Large Telescopes

9:30	Staveley – Smith, L.	Lessons from Parkes, ATCA, and ASKAP	
9:50	Cordes, Jim	Commensal Surveys with Arecibo: Discoveries, Logistics, and Data Management	
10:10	Bhat, Rhamesh	MWA Pulsar Science and Survey Plans	
10:30	van der Hulst, Thijs	Apertif on the WSRT: Status and Survey Plans.	
10:50	Adams, Elizabeth	Apertif: Commissioning Highlights and Synergy with FAST	
11:00	Keane, Evan	Synergies Between FAST and SKA	
11:10	Zhang, Yunfan	The Breakthrough Listen Search for Extraterrestrial Intelligence	
11:20	Qiu, Keping	A FAST Data Center at NJU & HI Surveys from GMC to the Milky Way	
11:30	Li, Di	A Commensal Radio Astronomy FAST Survey Plan (CRAFTS)	
12:00	Lunch		

Session II: Galactic HI, ISM, and Spectroscopy

13:30	Heiles, Carl	The Millennium Survey	
13:50	Lockman, Felix J.	Neutral Hydrogen Outside the Disks of Nearby Galaxies	
14:10	Wang, Yuan	From Atomic HI to HII Region Feedback --- THOR	

- (The HI/OH/Recombination line survey of the Milky Way)
- 14:20 Krco, Marko HIFAST: The FAST Galactic HI Survey
- 14:40 Coffee Break
- 15:10 Yang, Ji MWISP: A Galactic Plane Survey in $^{12}\text{CO}/^{13}\text{CO}/\text{C}^{18}\text{O}$ J=1-0 lines
- 15:30 Ching, Tao-Chung Helical Magnetic Fields in the NGC 1333 IRAS 4A Protostellar Outflows
- 15:40 Wu, Yuefang Searches and Examination of Molecules in Low Freq Band with FAST
- 15:50 Zhang, Qizhou Science with the Submillimeter Array
- 16:10 Coles, William Pulsar Observations of the Interstellar Medium
- 16:20 Zhang, Liyun Stellar Radio Radiation of Late-type Stars
- 16:30 Sun, Xiaohui Radio Polarization Sky Surveys
- 16:40 Coffee Break

Session III: Extragalactic HI Survey and Cosmology

- 17:00 Stierwalt, Sabrina ALFALFA Survey Strategies and Successes
- 17:20 Zhu, Ming Extragalactic HI Survey with FAST
- 17:40 Srisawat, Chaichalit Virtual Observatory from Mock Galaxy Catalogues (ViMala) for FAST HI galaxy survey
- 17:50 Chen, Xuelei An Outlook of HI Intensity Mapping with FAST
- 18:10 Pisano, Daniel Diffuse HI mapping with FLAG and Implications for FAST
- 18:20 Wu, Zhongzu The Radio Properties of OHM Galaxies
- 18:30 Wang, Jing The Local Volume HI Survey: HI-Star Formation Connection
- 19:00 Banquet

Sept 26th:

Session IV: Pulsars and FRBs

- 8:30 Zigao, Dai Models for Fast Radio Bursts and Future Astrophysical Tests
- 8:50 Wang, Na Pulsar Timing
- 9:10 Yuan, Jiangping Long-Term Timing Observations of 50 Pulsars
- 9:20 Hobbs, George Pulsar Survey at Parkes

- 9:40 Zhu, WeiWei FAST Drift-Scan Pulsar Search
- 10:00 Coffee Break
- 10:30 Xu, Renxin Detecting Pulsar Single Pulses with FAST Drift-Scan
- 10:40 Chatterjee, S. FRB Surveys, Localization, Follow-up
- 11:00 Chi, Mingmin Pulsar Search Pipeline for SKA and FAST on Big Data
- 11:20 Hou, Xian Pulsars Seen with the Fermi-LAT
- 11:40 Peng, Fang-kun Search for GeV Counterparts to Fast Radio Bursts with Fermi
- 11:50 Huang, Yong-Feng Searching for Close-in Pulsar Planets with FAST
- 12:00 Lunch

Session V: Parallel Sessions + FAST Discussions

14:00 – 16:00

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| V.I | Galactic HI | Moderated by Jay Lockman |
| V.II | Extragalactic HI | Moderated by Lister Staveley-Smith |
| V.III | Pulsars & FRBs | Moderated by R.X. Xu |
| V.IV | VLBI & Collaborations | Moderated by (TBD) |
| V.V | Spectral Line and Other
Targeted Surveys | Moderated by Keping Qiu |
| V.VI | FAST and SKA Synergies | Moderated by (TBD) |

Session VI: Summary

16:30 – 19:00

- 16:30 Krčo, Marko FAST Commensal Survey Strategy
- 17:00 Reports From Each Discussion Group & Discussion

19:00 Dinner

Sept 27th:

Excursion

Sept 28th:

Departure Day

Posters:

Ren, Zhiyuan	FAST OH Mega-Maser Survey
Tong, Minglei	Constructing Pulsar Time-Scale with Wiener Filter method using IPTA Data
Pei, Wang	Deep Learning for Pulsar Search
Wang, Baokun	Deep Learning for Pulsar Search
Zhang, Yunfeng	Visualization for Pulsar Search Pipeline
Zhaoying, He	Visualization for Pulsar Search Pipeline
Yin, Xiaofei	Visualization for Pulsar Search Pipeline
Liu, Xuan	Machine Learning for Pulsar Search
Zhang, Lei	Wide-Bandwidth Drift-Scan Pulsar Surveys of Globular Clusters: Applications to Early Science Observations with FAST
Zuo, Pei	TBD
Zhang, Mo	Estimation of Source Counts and Confusion Limit for Space Ultra-long Wavelength VLBI Sky Survey
Wang, Lin	Searching for pulsars in the GC M28 with LEAP
Tang, Jing	Radio Detection of Ultracool Dwarfs and Exoplanets by FAST
Tang, Ningyu	HI and OH Absorption Survey with FAST
Zhang, Kai	Prediction on Number Counts of HI Galaxies that FAST may Detect
Luo, Rui	Simulating the Dispersion Measure of FRB Host Galaxies to Derive FRB Luminosity Function
Yu, Niankun	The [C II] Tully-Fisher Relation of Nearby Active and Inactive Galaxies
Ul Husna, Syifa	Observation About Solar Activity by Callisto Radio Spectrometer
Yu, Meng	Glitch detectability of Parkes timing observations

Unknown Oral Presentations:

Dong, Aijun
Huang, Maohai
Wang, Na
Qiu, Keping
Nwagwu, Peter C.
Opara, Innocent