PROGRAM

Wednesday (October 14, 2015)		
8:30 – 8:40	Jim BRAATZ	Review of the 3rd US-China radio astronomy workshop
8:40 – 9:05	Tony BEASLEY	Status of U.S. Radio Astronomy
9:05 – 9:30	Xiao-Yu HONG & Sheng-Cai SHI	Status of Chinese Radio Astronomy
Session: On-going and future radio projects (I) Chair		
9:30 – 9:50	Tony Beasley	Next generation VLA
9:50 – 10:15	Xiang-Ping WU	Performance of the 21 Centimeter Array (21CMA)
10:15 – 10:30	Bo PENG	Chinese participation in SKA pre-construction
10:30 – 10:45	Tao AN	Concept of Shanghai SKA Data Center
10:45 – 11:15	BREAK (group photo)	
Session: On-going and future radio projects (II) Chair:		
11:15 – 11:40	Ji YANG	Chinese Antarctic Observatory at Kunlun Station, Dome A
11:40 – 11:55	Mao-Zheng CHEN	The Progress of QTT
11:55 – 12:15	Qing-Hui LIU	Progress of Chinese Space VLBI Project
12:15 – 14:00	LUNCH	
Session: On-going and future radio projects (III) Chair:		
14:00 – 14:25	Yu GAO	China's involvement with the JCMT and early science
14:25 – 14:50	Zhong WANG	CAS South America Center for Astronomy and ALMA
Session: The Sun		
14:50 – 15:15	Tim BASTIAN	Recent Developments in Solar and Heliospheric Radiophysics
15:15 – 15:40	Yi-Hua YAN	On the Progress of Mingantu Ultrawide Spectral Radioheliograph
15:40 – 16:10	BREAK	
Session: HI Chair:		
16:10 – 16:35	Di LI	The Technical Constraints and the Potentials of FAST Early Sciences
16:35 – 17:00	Trish HENNING	Extragalactic HI Surveys
17:00 – 17:15	Xue-Lei CHEN	The Tianlai experiment: a pathfinder for 21cm intensity mapping survey
17:15 – 17:40	DJ PISANO	HI in Nearby Galaxies
17:40 – 17:55	Ming ZHU	Review of HI science with FAST
17:55 – 18:20	Jay LOCKMAN	HI at Low Column Density

Thursday (October 15, 2015)		
Session: Pulsars Chair:		
8:30 – 8:55	Maura MCLAUGHLIN	Pulsar Science
8:55 – 9:15	Jin-Lin HAN	Perspectives for China pulsar research
9:15 – 9:40	Paul DEMOREST	NANOGrav
9:40 – 9:55	Zhen YAN	Single-Pulse Radio Observations of the Galactic Center Magnetar PSR J1745-2900
9:55 – 10:10	Ke-Jia LI	Pulsar observation using the Yunnan 40m telescope
10:10 – 10:30	BREAK	
Session: Instrumentation Chair:		
10:30 – 10:45	Richard PRESTAGE	The Software Enabled Radio Astronomy Project
10:45 – 11:00	Wei-Min ZHENG	Progress of Backend System development in SHAO
11:00 – 11:25	Brian JEFFS	Phased Array Feeds and Beam Forming
11:25 – 11:40	Wen-Lei SHAN	Millimeter Wave Multibeam Heterodyne Receiving Technology for Large Field of View
11:40 – 12:05	Steve SMITH	A Wideband Receiver for FAST
12:05 – 12:20	Bin LI	The cryogenic receiver system of Tianma telescope
12:20 – 12:35	Wei-Ye ZHONG	Development of Q-Band Two-Beam Cryogenic Receiver of Tianma Telescope
12:35 – 14:00	LUNCH	
Session: VLBI Chair:		
14:00 – 14:20	Ken KELLERMANN	Radio Loud and Radio Quiet Quasars
14:20 – 14:35	Min-Feng GU	The radio properties of radio-loud NLSy1 on parsec scales
14:35 – 15:00	Dan HOMAN	The Kinematics and Structure of Relativistic Jets in the MOJAVE Program
15:00 – 15:15	Alyson FORD	RadioAstron Support with the NRAO 140 ft telescope
15:15 – 15:30	Willem BAAN	RadioAstron Observations of Megamasers (tbc)
15:30 – 16:00	BREAK	
16:00 – 18:00	Breakout Sessions	
18:30 – 20:00	BANQUET	

Friday (October 16, 2015)			
Session: Galaxies Chair:			
08:30 – 08:45	Jun-Zhi WANG	Isotopic lines of dense gas tracers in galaxies	
08:45 – 09:00	Yue-Fang WU	NH_3 – A diagnostic indicator of star forming regions	
09:00 – 09:20	Tony BEASLEY	VLA Sky Survey	
09:20 – 09:45	Ru-Sen LU	Anatomy of Event-Horizon-Scale Structure of Sgr A* with a resolution of 3 Rs	
09:45 – 10:05	Jim BRAATZ	Megamasers and Recent Results from the MCP	
10:05 – 10:30	Jenny GREENE	Radio Studies of Supermassive Black Holes	
10:30 – 11:00	BREAK		
11:00 – 12:30	Breakout Sessions		
12:30 – 14:00	LUNCH		
14:00 – 15:30	Reports from Breakout Sessions		
15:30 – 16:00	Summary, The Path Forward, and Closing Remarks		

	Breakout Sessions	
	HENNING, PISANO, LOCKMAN, Xiang-Ping WU, Xue-Lei CHEN, Di LI, Ming ZHU, Lei QIAN	HI
	DEMOREST, MCLAUGHLIN, Jin-Lin HAN, Ke-Jia LI, Zhen YAN *George HOBBS: Search for pulsars with the FAST* *Kejia LI: Considerations on Fast Radio Bursts searching* *Zhi-Fu GAO: Predicted values of braking indexes and second frequency derivatives for magnetars* *....*	Pulsars & FRBs
	KELLERMANN, HOMAN, A. FORD, BAAN, BEASLEY, GREENE, BRAATZ, Min-Feng GU, Ru-Sen LU, Jun-Zhi WANG, Feng GAO, Wei ZHAO, Tao AN, HONG, SHEN, Yu GAO, Ji YANG, Qing-Hui LIU, Xi CHEN, Wei-Guang JI, Jian-Jun ZHOU, Gang WU, Xiao-Long YANG, Li ZHANG *Bo ZHANG: VLBI Maser astrometry* *Xi CHEN: Methanol maser survey in Galaxy and galaxies* *Jia-Sheng HUANG: Identifying and Characterizing Faint Radio Emission in Deep Survey Fields* *Nan-Yao LV: Probe the Gas and Star Formation Activities in Local ULIRGs with ALMA* *Yue-Fang WU:Dynamical Processes in the Orion KL Region — Probing Molecular Outflow and Inflow with ALMA* *...*	VLBI (AGN, galaxies, mega-masers, EHT, space VLBI) ALMA
	BASTIAN, YAN *Wei WANG: Calibration and data processing for Mingantu Ultrawide Spectral Radioheliograph* *Fei LIU: MUSER Digital Correlation Receiver- system, signal processing and hardware* *Lin-Jie CHEN: Synthesis imaging with Mingantu Ultrawide Spectral Radioheliograph* *Bao-Lin Tan: Diagnose flaring source regions by using solar microwave type III burst observations*	Solar Radio Astronomy
	PRESTAG, JEFFS, SMITH, SRIKANTH, WHITE, Xiu-Zhong ZHANG, Sheng-Cai SHI, Wen-Lei SHAN, Bin LI, Tao AN, Wei-Ye ZHONG, Jin YUAN, Ying CHEN, Jin-Qing WANG, Li FU, Rong-Bin ZHAO, Ya-Jun WU, Zhen YAN, Jian DONG, You-Ling YUE, Ran DUAN, Qian XU, *Tao AN: Software Development for Shanghai SKA Data Center(tbc)* *Cheng-Jin JIN: PAF in FAST* *Hai-Yan ZHANG: FAST RFI Mitigation* *Qi LIU: Emission evaluation and spectrum management at XAO* *John FORD: an overview of the latest developments with CASPER* *Wei-Min ZHENG: The FPGA and CPU/GPU Art in Radio Astronomy (Backend System)(tbc)* *Paul MARGANIAN: recent GBT developments of Telescope Control* *Zhi-Yong LIU: the design of QTT control system* *Xin PEI: A multi-function digital backend development plan for QTT* *Performance measurement of Tianma telescope (Active-surface control system, Holography, ...)* *VEGAS updates* *...*	New technology & instrumentations (PAF,SERA, Digital hardware, firmware, and heterogeneous (FPGA/GPU/CPU) computer systems, Precision telescope control)