Collaborative Research based on MU Radar and Equatorial Atmosphere Radar in June-November 2017

No.	PI	Affiliation	Research Title
L01	Lakshmi Kantha	Univ. of Colorado	Shigaraki UAV Radar Experiment (ShUREX 2017)
L02	K. Sato	Univ. of Tokyo	Simultaneous observation campaign with worldwide MST/IS radar network
F03	Eddy Hermawan	LAPAN	Propagation and the Vertical Structure of the Madden-Julian Oscillation Based on the Equatorial Atmosphere Radar (EAR), the MU Radar, the RASS, Radiosonde, and NCEP-NCAR Re-analysis
F04	Amit Kumar Patra	NARL	Investigation on daytime 150-km irregularities at low and id-latitude using the EAR and MU radar
F05	M. Yamamoto	Kyoto Univ.	Development and test of digital receiver system for new satellite-ground beacon experiment
F06	K. Shiokawa	Nagoya Univ.	Cooperative observation of the upper atmosphere using the Optical Mesosphere Thermosphere Imagers, EAR, and the MU radar
F07	Y. Maekawa	Osaka E.-C. Univ.	A study on the effects of precipitating clouds on the propagation paths of satellite communications
A08	M. Tsutsumi	NIPR	Test observations for PANSY radar operations
A09	H. Hashiguchi	Kyoto Univ.	Observational study of three-dimensional structure near Typhoon center
A10	T. Yoshihara	ENRI	Quality evaluation and new utilization of horizontal winds derived from SSR mode S messages broadcasted by aircraft onboard transponders
A11	Y. Shibagaki	Osaka E.-C. Univ.	Studies on Development and Organization of Frontal Disturbances with MU and Meteorological Radars
A12	T. Shimomai	Shimane Univ.	DSD estimation by using the MU radar, BLR, MRR
A13	M. Yabuki	Kyoto Univ.	Validation of air quality measurement techniques through combinations of remote-sensing and in-situ instruments
A14	M. Yabuki	Kyoto Univ.	A study on radio-optical atmospheric probing techniques for spatiotemporal distributions of water vapor
A15	E. Nakakita	Kyoto Univ.	Hydrologic Cycle Analysis on Forest Watershed Using Forest Tower Observation, and Feasibility of Observation by Remote Sensing Technique for Validation
A16	H. Hashiguchi	Kyoto Univ.	“Field Laboratories in Multi-scale Earth Dynamics II” (Graduate School of Science, ARS, GSS)
A17	M. Yabuki	Kyoto Univ.	Earth science field experiments (Nara Women's University)
A18	H. Hashiguchi	Kyoto Univ.	Development of MU Radar Real-time Processing System with Adaptive Clutter Rejection
A19	K. Yamashita	Salesian Polytechnic	Development of VLF receiver for lightning observation by using small Linux PC
A20	H. Hashiguchi	Kyoto Univ.	Development of imaging wind profiler radar and measurement of fine-scale turbulence in the lower atmosphere
A21	M. Yabuki	Kyoto Univ.	Development of a compact rotational Raman lidar for temperature measurements
A22	RISH		Middle Atmosphere Standard Observation with the MU Radar (GRATMAC)
B23	H. Yamakawa	Kyoto Univ.	Shape Estimation and Orbit Determination of Space Debris Using MU Radar
B24	Sergii Panasenko	Institute of Ionosphere	Coordinated observations of light ions and TIDs with Shigaraki MU and Kharkiv IS radars
B25	T. Iyemori	Kyoto Univ.	Effects of ionospheric E-fields, winds and lower atmospheric disturbances on geomagnetic variations
B26	S. Saito	ENRI	Validation of real-time ionospheric 3-D tomography
B27	RISH		Ionospheric Standard Observation with the MU Radar
C28	H. Hashiguchi	Kyoto Univ.	Development of real-time ray-tracing and wind correction methods for EAR-RASS
C29	S. Mori	JAMSTEC	Temporal modulation of eastward moving convective intraseasonal variation (ISV) passing over the Indonesian maritime continent
C30	Y. Shibagaki	Osaka E.-C. Univ.	Multi-scale structure of convective systems in Indonesian Maritime Continent
C31	M. Abo	Tokyo Metro. Univ.	Observation of atmospheric wave propagation from troposphere to mesosphere at equatorial region
C32	Y. Shibata	Tokyo Metro. Univ.	Lidar observation of the equatorial ozone in the tropopause region
C33	H. Hashiguchi	Kyoto Univ.	Observational study on fine structure of clear air turbulence in the tropical troposphere
C34	H. Hashiguchi	Kyoto Univ.	Development of an EAR multi-channel receiving system using digital receivers
C35	T. Shimomai	Shimane Univ.	Observation of small scale atmospheric waves by an all sky camera at Kototabang
C36	T. Shimomai	Shimane Univ.	Evaluation of GPM-DPR observation data at Kototabang
C37	H. Hashiguchi	Kyoto Univ.	Overseas field training in Equatorial Atmosphere Observatory
C38	Marzuki	Andalas Univ.	Variability of Vertical Structure of Rainfall over Indonesian Maritime Continent: GPM observations and Wind Profiler Measurements
C39	Marzuki	Andalas Univ.	Variability of rain drop size distribution at Kototabang and Padang
C40	Marzuki	Andalas Univ.	Long-Term Observation of Vertical Profile of Raindrop Size Distribution over Sumatra
D41	S. Saito	ENRI	Studies of spatial gradient in TEC and plasma bubble monitoring for GNSS
D42	T. Yokoyama	NICT	Study on the onset and propagation mechanism of equatorial spread F with EAR, NICT ionospheric observation network, and GPS receiver network
D43	M. Yamamoto	Kyoto Univ.	Study of equatorial Spread-F with satellite-ground beacon experiment and the Equatorial Atmosphere Radar
D44	Y. Otsuka	Nagoya Univ.	Radar observations of the field-aligned irregularities in the ionosphere in Indonesia
D45	S. Sridharan	NARL	EAR observations of E-region field aligned irregularities over Koto Tabang
E46	T. Tsuda	Kyoto Univ.	Earth’s atmosphere environment observed with radio and optical techniques
E47	T. Miwa	Kyoto Univ.	”Learn in English” Summer Program (LESP) of ILAS
C48	Ina Juaeni	LAPAN	Identification of Atmospheric Condensation by RASS virtual temperature deviation at Kototabang
AD49	Swati Sinha	BITS Pilani	Application of Multi Parameter Cost Function and Testing of Newly Developed Spectral Feature Based Classification Method for MU Radar Data
CD50	Findy Renggono	BPPT	Study on drop size distributions based on Equatorial Atmosphere Radar observations
B51	Hyosub Kil	Johns Hopkins U. APL	MU radar, KASI 40.8-MHz radar and satellite observations of the ionospheric irregularities