MUAN 2018 List of submitted talks and abstracts

First Author	Affiliation	Title
D.J. Andrews	*IRF, Uppsala*	MARSIS Observations of Field-Aligned Irregularities and Ducted Radio Propagation in the Martian Ionosphere
D.J. Andrews	*IRF, Uppsala*	Surface deployed ionosonde for Mars
Laila Andersson	*LASP / University of Colorado*)	Mars' Ionosphere Response to Different Solar Wind Forcing
Anil Bhardwaj	*Physical Research Laboratory, Ahmedabad*)	Indian Mars Program
Dave Brain	*LASP / University of Colorado*	Charged particle transport in the Martian induced magnetosphere
Mike Chaffin	*LASP / University of Colorado*	Tracking hydrogen loss from surface water to upper atmospheric H: key controls on H loss today and throughout time
Mike Chaffin	*LASP / University of Colorado*	Highlights from four years of IUVS observations of Mars
E. Dubinin	*MPI, Gottingen*	Is solar wind a main driver for ion escape?*
E. Dubinin	*MPI, Gottingen*	Variability of the upper ionosphere. Main factors*
Jared Espley	*NASA Goddard*	Mars' Hybrid Magnetosphere
Kai Fan	*Key Laboratory of Earth and Planetary Physics, Chinese Academy of Sciences,*	Reduced Atmospheric Ion Escape Above Martian Crustal Magnetic Fields
M. O. Fillingim	*Space Sciences Laboratory, University of California, Berkeley*	Mapping Out the Ionospheric Conductivities: Local Time and Magnetic Field Dependence
M. O. Fillingim	*Space Sciences Laboratory, University of California, Berkeley*	MAVEN Observations of Ionospheric Magnetic Field Variations over the InSight Landing Site and Implications for InSight IFG Measurments
Francisco González-Galindo	*Instituto de Astrofísica de Andalucía-CSIC Granada*	On the Variability of Mars' Thermosphere/Ionosphere
James Green	*NASA Chief Scientist*	Space Weather at Earth and Mars: How Bad Can it Get?

First Author	Affiliation	Title
Ben Hall (given by J. A. Wild)	*Lancaster University*	The Martian bow shock over solar cycle 23-24 as observed by the Mars Express mission
J L Hollingsworth	*NASA Ames Research Center*)	Large-Scale Traveling Weather Systems in Mars' Southern Extratropics: Implications on the Middle Atmosphere/Lower Thermosphere of Mars
Mats Holmstrom	*IRF, Kiruna*	Highlights from ASPERA-3 during 10 years of MUAN
A. Kopf	*University of Iowa*	Upper Atmosphere Sounding at Mars: 13 years of MARSIS Science
Mark Lester	*University of Leicester*	Spatial, Seasonal, and Solar Cycle Variations of the Martian Total Electron Content (TEC): Is the TEC a Good Tracer for Atmospheric Cycles?
Mark Lester	*University of Leicester*	Space Weather before during and after at Mars during the encounter with Comet Siding Spring
Lei Li	*National Space Science Center, Chinese Academy of Sciences*	A brief introduction to atmosphere/ionosphere studies in China's 2020 Mars mission,
Robert Lillis	*Space Sciences Laboratory, University of California Berkeley*	Warm trapped fossils? Electron structure and dynamics on the nightside of Mars
Lukas Maes	*Max Planck Institute for Solar System Research*	Separating CO2+ and O2+ in observations from MAVEN's STATIC
Majd Mayyasi	*Boston University*	The Solar Control of the Escape of Hydrogen from Mars from Analysis of the September 2017 Solar Weather Event,
Majd Mayyasi	*Boston University*	The Seasonal Variability of Deuterium Properties in the Upper Atmosphere of Mars
Majd Mayyasi	*Boston University*	Ion-neutral Coupling in the Atmosphere of Mars
D. L. Mitchell	*UC Berkeley*	Cold Ion Outflow in Mars' Magnetotail
Hermann Opgenoorth	*IRF, Uppsala*	The Mars Upper Atmospheric Network – MUAN 10 years. How it all began and what we did
M. Pätzold	*Rheinisches Institut für Umweltforschung, Planetenforschung Cologne*	Radio Sounding of the Mars Ionosphere over a full Solar Cycle by the Mars Express Radio Science Experiment (MaRS

First Author	Affiliation	Title
K. Peter	*Rheinisches Institut für Umweltforschung, Planetenforschung Cologne*	The Martian ionopause in MaRS observations: Response to observational and environmental parameters
Beatriz Sanchez-Cano	*University of Leicester*	The Mars' radar blackout of September 2017
Beatriz Sanchez-Cano	*University of Leicester*	Comet Siding Spring's influence on Mars' plasma system
Katarina Stergiopoulou	*IRF, Uppsala*	Observations with MEX and MAVEN in the Martian tail during late 2016,
Smitha V. Thampi (given by Anil Bhardwaj)	*Space Physics Laboratory, Vikram Sarabhai Space Centre,*	MAVEN Observations of the Response of Martian Ionosphere to the Interplanetary Coronal Mass Ejections of March 2015
Michael Way	*NASA Goddard*	Comparative atmosphere-ionosphere coupling and climatology of early Earth & Mars
R. V. Yelle	*Lunar and Planetary Laboratory, University of Arizona*	MAVEN Dust Storm Observations and H Chemistry and Escape

* Abstract is not available