		Monday	Tuesday	Wednesday	Thursday	Friday
	8:00	**Breakfast and Registration**				
	8:15					
	8:30	Welcome	Invited Talk by Franco Ongaro	1 Instrumentation	1 Modeling,	1 Landing Site
	8:45	Al Seiff Award		2 and Science	2 Simulation and	2 Selection &
	9:00			3 Investigation	3 Testing	3 Definition
	9:15	Invited Talk by Ellen Stofan	1 Drag, Aerobraking	4	4	4
	9:30		2 and Aerocapture	5	5	5
	9:45		3 Technologies	6	6	6
	10:00	Invited Talk by Steve Jurczyk	break	break	break	break
AM Sessions	10:15		4 Drag, Aerobraking	7 Instrumentation	7 Modeling,	1 Cross Cutting
	10:30		5 and Aerocapture	8 and Science	8 Simulation and	2 Technologies
	10:45	break	6 Technologies	9 Investigation	9 Testing	3
	11:00	Poster Quick Talks	7	10	10	4
	11:15	Poster Quick Talks	8	11	11	5
	11:30	Lunch	9	12	12	6
	11:45		Lunch (break out lunch for Missions and Drag sessions)	Tour Day	Student Professional Dev. Luncheon / Lunch	Lunch (break out for airless, landing and cross cutting)
	12:00					
Lunch & Poster Displays	12:15				Breakout EDL, Inst, Model	
	12:30	1 Missions				
	12:45	2	10 Drag, Aerobraking			Findings: Instruments
	13:00	3	11 and Aerocapture		13 Modeling,	Findings: Airless
	13:15	4	12 Technologies		14 Simulation	Findings: Modeling
	13:30	5	1 Current &		15 and Testing	Findings: EDL Tech
	13:45	6	2 Proposed EDL		16	Findings: Landed Safety
	14:00	7	3 Technology		17 ((TBD))	Findings: Cross Cutting
	14:15	8	4		break	Closing Comments (student awards)
	14:30	9	5		1 Airless Bodies	
	14:45	break	break		2	Plan for IPPW-14
	15:00	Poster Quick Talks	Poster Quick Talks		3	
PM Sessions	15:15	10 Missions	6 Current &		4	
	15:30	11	7 Proposed EDL		5	
	15:45	12	8 Technology		6	
	16:00	13	9		7	
	16:15	14	10		Intro Findings	
	16:30	15	11		Findings: Missions	
	16:45	16	12		Findings: Drag	
	17:00	17	13		Free Time	
	17:15	18	14	Poster Session		
	17:30	Opening Reception	15			
	17:45		Travel time - Board busses for banquet			
	18:00					
	18:15				IOC Banquet – by invitation for IOC members	
Break	18:30					
	18:45		Conference Banquet			
	19:00					
	19:30	Alan Stern – Presentation on Pluto				
	20:00					
Evening	20:30					
	21:00					
	22:00					

Title	Category	Author	Author Email	Type	Session Order
IPPW-13 Missions Session Monday, June 13, 2016– 12:30 PM to 5:30 PM Conveners: Swati Mohan Kim Reh Brandon Smith					
STATUS OF INSIGHT ENTRY, DESCENT, AND LANDING FOR 2018 LAUNCH OPPORTUNITY	Missions	Brooke Harper	brooke.p.harper@jpl.nasa.gov	oral	1
EXOMARS 2016 MISSION ANALYSIS: COASTING, ENTRY, DESCENT AND LANDING	Missions	Davide Bonetti	davide.bonetti@deimos-space.com	oral	2
EXOMARS SCHIAPARELLI ENTRY, DESCENT AND LANDING SYSTEM DESIGN, DEVELOPMENT AND POST-LAUNCH STATUS	Missions	Olivier Bayle	Olivier.Bayle@esa.int	oral	3
Mars 2020 Entry, Descent, and Landing Overview	Missions	Allen Chen	allen.chen@jpl.nasa.gov	oral	4
HOW DOES TERRAIN RELATIVE NAVIGATION CHANGE THE MARS 2020 ENTRY, DESCENT, AND LANDING?	Missions	David Way	david.w.way@nasa.gov	oral	5
TRN Performance in M2020	Missions	Swati Mohan	swati.mohan@jpl.nasa.gov	oral	6
ESA's Phobos Sample Return Mission	Missions	Thomas VOIRIN	thomas.voirin@esa.int	oral	7
THE PSYCHE MISSION: EXPLORING A METAL WORLD FOR THE FIRST TIME	Missions	David J. Lawrence	david.j.lawrence@jhuapl.edu	oral	8
Overview of the Asteroid Redirect Mission (ARM)	Missions	Daniel D. Mazanek	Daniel.D.Mazanek@nasa.gov	oral	9
ROSETTA STAR TRACKERS IN THE COMET DUST : UNDERSTANDING AND IMPROVING THE FLIGHT BEHAVIOUR THROUGH ON-GROUND TESTING OF THE STR EQM WITH THE MICROSTOS	Missions	Pascal Regnier	pascal.regnier@airbus.com	oral	10
Earth Entry Vehicle Design for Comet Surface Sample Return	Missions	Todd White	Todd.R.White@nasa.gov	oral	11
Saturn PRobe Interior and aTmosphere Explorer (SPRITE)	Missions	Amy A. Simon	amy.simon@nasa.gov	oral	12
THE BEE: A BIOSIGNATURE EXPLORER TO SAMPLE PLUMES OF OCEAN WORLDS.	Missions	Paul Mahaffy	Paul.R.Mahaffy@nasa.gov	oral	13
A DESCENT PROBE FOR EUROPA AND THE OTHER GALILEAN MOONS OF JUPITER	Missions	Peter Wurz	peter.wurz@space.unibe.ch	oral	14
ESA's CLEO/P study: 3 potential contributions to NASA's Multi-flyby Europa mission	Missions	Thomas VOIRIN	thomas.voirin@esa.int	oral	15
Global Aerial Exploration of our Sister World with the Venus Atmospheric Maneuverable Platform (VAMP): Mission Science Objectives and Potential Instr	Missions	Kevin H. Baines	blueskies4321@yahoo.com	oral	16
DAVINCI: Deep Atmosphere Venus Investigation of Noble Gases, Chemistry, and Imaging	Missions	Lori S. Glaze	Lori.S.Glaze@nasa.gov	oral	17
THE DAVINCI AND OTHER PROBE DESCENT MODULE AND ENGINEERING DEVELOPMENT UNITS	Missions	Michael Amato	michael.amato@nasa.gov	oral	18
Drag, Aerobraking and Aerocapture Session Tuesday, June 14, 2016 from 9:15 AM to 1:30 PM Conveners: Al Witkowski Hannes Griebel Devin Kipp					
Future HIAD Advancements and Extension of Mission Applications	Drag, Aerobraking and Aerocapture Technologies	R. Keith Johnson	r.k.johnson@nasa.gov	oral	1
HIAD on ULA (HULA) Orbital Reentry Flight Experiment Concept	Drag, Aerobraking and Aerocapture Technologies	John DiNonno	John.M.DiNonno@nasa.gov	oral	2
SINGLE BODY IAD FOR MARS HIGH PAYLOAD MASS DELIVERY	Drag, Aerobraking and Aerocapture Technologies	Maxim de Jong	maxim@thin-red-line.com	oral	3
RESULTS SUMMARY OF THE LOW-DENSITY SUPERSONIC DECELERATOR TECHNOLOGY DEVELOPMENT PROJECT	Drag, Aerobraking and Aerocapture Technologies	Ian Clark and Mark Adler	ian.g.clark@jpl.nasa.gov	oral	4
ExoMars Parachute Systems: Design and Verification	Drag, Aerobraking and Aerocapture Technologies	Steve Lingard	steve.lingard@vorticity-systems.com	oral	5
Overview of the Parachute Decelerator System for the InSIGHT Mission	Drag, Aerobraking and Aerocapture Technologies	Al Witkowski	al.witkowski@zodiacaerospace.com	oral	6

Title	Category	Author	Author Email	Type	Session Order
Decelerator Pack Rotation Discovery During Qualification / Acceptance Testing for the InSight Mission	Drag, Aerobraking and Aerocapture Technologies	Al Witkowski	al.witkowski@zodiacaerospace.com	oral	7
PRELIMINARY STUDY ON MARS AEROCAPTURE AND LANDER MISSION USING DEEP SPACE MICRO SPACECRAFT AND MEMBRANE AEROSHELL	Drag, Aerobraking and Aerocapture Technologies	Kojiro Suzuki	kjsuzuki@k.u-tokyo.ac.jp	oral	8
Development of an Earth SmallSat Flight Test to Demonstrate Viability of Mars Aerocapture	Drag, Aerobraking and Aerocapture Technologies	Michael Werner	mwerner9@gatech.edu	oral	9
Results of the Venus Express Aerobraking Campaign	Drag, Aerobraking and Aerocapture Technologies	Håkan Svedhem	H.Svedhem@esa.int	oral	10
Improving Blunt Body Aerodynamic Performance Through Deployable Tabs	Drag, Aerobraking and Aerocapture Technologies	Ashley M. Korzun	ashley.m.korzun@nasa.gov	oral	11
Use of Plasma Actuator to Improve Reentry Missions	Drag, Aerobraking and Aerocapture Technologies	Sandra Coumar	sandra.coumar@cnrs-orleans.fr	oral	12
Current and Proposed EDL Technology Session Tuesday, June 14, 2016 from 1:30 to 5:30 PM Conveners: Ashley Korzun Som Dutta					
Mars Sample Return Earth Entry Vehicle Design: Can the Reliability Requirement be met by Emerging New Technologies?	Current and Proposed EDL Technology	Raj Venkatapathy	ethiraj.venkatapathy-1@nasa.gov	oral	1
EDL MISSION ANALYSIS AND DESIGN FOR HIGH ENERGY SAMPLE RETURN MISSIONS	Current and Proposed EDL Technology	Gabriele De Zaiacomo	gabriele.dezaiacomo@deimos-space.com	oral	2
Sample survival during re-entry for sample return missions using the MMEEV design	Current and Proposed EDL Technology	Stergios Papadakis	stergios.papadakis@jhuapl.edu	oral	3
VERSATILE LANDING BY CRUSHABLE STRUCTURE FOR SMALL SEMI-HARD IMPACT PROBE CONCEPT	Current and Proposed EDL Technology	Tetsuya Yamada	yamada.tetsuya@jaxa.jp	oral	4
Autonomous High Altitude Package Return System	Current and Proposed EDL Technology	Coleton M Bailey, James A Sutton	bail6232@vandals.uidaho.edu	oral	5
Low Cost Innovative Atmospheric Entry Probes Combining CubeSat and HIAD Technologies	Current and Proposed EDL Technology	Stephen J. Hughes	stephen.j.hughes@nasa.gov	oral	6
HUMAN MARS ENTRY, DESCENT AND LANDING (EDL) STATUS UPDATE AND INVESTMENT PLANNING	Current and Proposed EDL Technology	Michelle Munk, Randy Lillard	michelle.m.munk@nasa.gov	oral	7
MANUFACTURING CHALLENGES AND BENEFITS WHEN SCALING THE HIAD STACKED-TORUS AEROSHELL TO A 15 METER CLASS SYSTEM	Current and Proposed EDL Technology	Greg Swanson	g.swanson@nasa.gov	oral	8
SYSTEM LEVEL AEROTHERMAL GROUND TESTING FOR THE ADAPTIVE DEPLOYABLE ENTRY AND PLACEMENT TECHNOLOGY	Current and Proposed EDL Technology	Alan Cassell	Alan.M.Cassell@nasa.gov	oral	9
Heat-shield for Extreme Entry Environment Technology (HEEET)	Current and Proposed EDL Technology	Raj Venkatapathy	ethiraj.venkatapathy-1@nasa.gov	oral	10
Exomars Radar Doppler Altimeter: A doppler radar for accurate attitude measurements in support to landing phase	Current and Proposed EDL Technology	Pasquale Pepe	pasquale.pepe@thalesaleniaspace.com	oral	11
THE MARS 2020 LANDER VISION SYSTEM	Current and Proposed EDL Technology	James Montgomery	monty@jpl.nasa.gov	oral	12
IN FLIGHT QUALIFICATION OF THE GNC OF THE INTERMEDIATE EXPERIMENTAL VEHICLE	Current and Proposed EDL Technology	Rodrigo Haya Ramos	rodrigo.haya@sener.es	oral	13
ENABLING MARS EXPLORATION USING INFLATABLE PURDUE AERODYNAMIC DECELERATOR WITH DEPLOYABLE ENTRY SYSTEMS (iPADDLES) TECHNOLOGY	Current and Proposed EDL Technology	Michael Sparapany	msparapa@purdue.edu	oral	14
TENSION ADJUSTABLE NETWORK FOR DEPLOYING ENTRY MEMBRANE (TANDEM) CONCEPT	Current and Proposed EDL Technology	Kevin Schroeder	kschro1@vt.edu	oral	15
Science and Engineering Instrumentation Session Wednesday, June 15, 2016 from 8:30 AM to 11:45 AM Conveners: David Mimoun David Atkinson Mike Pauken					
Probabilistic Methods in Atmospheric and Trajectory Reconstruction : Application to Venus Probes.	Instrumentation and Science Investigations	Ralph Lorenz	ralph.lorenz@jhuapl.edu	oral	1
Entry Probe Measurements of Venus Atmospheric Dynamics	Instrumentation and Science Investigations	Atkinson, David H.	atkinson@uidaho.edu	oral	2
Venus Exploration with Infrasound Techniques	Instrumentation and Science Investigations	James Cutts	james.a.cutts@jpl.nasa.gov	oral	3

Title	Category	Author	Author Email	Type	Session Order
Venus Heat Flow Instrument Development	Instrumentation and Science Investigations	Michael Pauken	michael.t.pauken@jpl.nasa.gov	oral	4
Preliminary Testing of the European Ultrasonic Planetary Core Drill (UPCD) in Simulated Permafrost Terrain as a Precursor to Arctic Field Trials	Instrumentation and Science Investigations	Ryan Timoney	r.timoney.1@research.gla.ac.uk	oral	5
MEASURING THE ELEMENTAL COMPOSITION OF A 16 PSYCHE WITH GAMMA-RAY AND NEUTRON SPECTROSCOPY	Instrumentation and Science Investigations	David J. Lawrence	david.j.lawrence@jhuapl.edu	oral	6
Sun Irradiance and Dust Sensor Investigations on board the ExoMars 2018 Lander	Instrumentation and Science Investigations	Ignacio Arruego	arruegori@inta.es	oral	7
THE SCIENCE OF THE SCHIAPARELLI MARS ENTRY DESCENT AND LANDING DEMONSTRATOR MODULE (EDM).	Instrumentation and Science Investigations	Håkan Svedhem	H.Svedhem@esa.int	oral	8
A FRESH LOOK: THE MARS 2020 ENTRY, DESCENT, AND LANDING CAMERA SUITE	Instrumentation and Science Investigations	Erisa K Hines, Danielle Nuding	erisa.k.hines@jpl.nasa.gov	oral	9
MEDLI2 Thermal Instrumentation Development and Testing	Instrumentation and Science Investigations	Todd White	Todd.R.White@nasa.gov	oral	10
LOW COST ENTRY, DESCENT, AND LANDING (EDL) INSTRUMENTATION FOR PLANETARY MISSIONS	Instrumentation and Science Investigations	Helen Hwang	helen.hwang@nasa.gov	oral	11
CONCEPT DESIGN OF AN AUTONOMOUS UNDERWATER VEHICLE WITH INTEGRATED ICE PENETRATING SYSTEM	Instrumentation and Science Investigations	SAMEER HASAN	sameerhad12@gmail.com	oral	12
Modeling, Simulation & Testing Session Thursday, June 16, 2016 from 8:30 AM to 11:45 AM Conveners: Aaron Stehura Doug Adams Jason Rabinovitch					
Mars 2020 Entry, Descent and Landing Atmosphere Characterization	Modeling, Simulation & Testing	Gregorio Villar	gviii@jpl.nasa.gov	oral	1
Mars 2020 Entry, Descent, and Landing Modeling and Performance	Modeling, Simulation & Testing	Soumyo Dutta	soumyo.dutta@nasa.gov	oral	2
EXOMARS 2016 LANDING IMPACT VERIFICATION	Modeling, Simulation & Testing	F. del Campo	fernando.delcampo@sener.es	oral	3
Impacting Earth: Testing and Analysis for Mars 2020 and Future Missions	Modeling, Simulation & Testing	Scott Perino, Louis Giersch, Velibor Cormarkovic, Zach Ousnamer, Darren Cooper, Brian Lim, Mike Johnson, and Gregory Peters	scott.perino@jpl.nasa.gov	oral	4
Mission-Level Requirements Validation for Atmospheric Entry Descent Systems	Modeling, Simulation & Testing	R. T. Stevens, K. E. Hibbard, D. S. Adams, J. M. O'Neil, D. M. Gers, A. J. Shishineh, D. E. King, R. P. Roger, K. M. Siegrist, J. C. Taylor, and J. S. Graham	ryan.stevens@jhuapl.edu	oral	5
A SYSTEMS APROACH TO PLANETARY PROTECTION FOR BEE: A BIOSIGNATURE EXPLORER TO SAMPLE PLUMES OF EUROPA	Modeling, Simulation & Testing	Peter Spidaliere	peter.d.spidaliere@nasa.gov	oral	6
Modeling the Exo-Brake And The Development Of Strategies For De-orbit Drag Modulation	Modeling, Simulation & Testing	Marcus S. Murbach	marcus.s.murbach@nasa.gov	oral	7
Kentucky Re-entry Universal Payload System	Modeling, Simulation & Testing	Justin M. Cooper, Joseph K. Stieha, Alex M. Fowler, Alexander Martin	Justin.Cooper@uky.edu	oral	8
UAVs FOR TITAN EXPLORATION: FROM DESIGN TO POSTFLIGHT OF EARTH SCALED TEST VEHICLES.	Modeling, Simulation & Testing	Davide Bonetti	davide.bonetti@deimos-space.com	oral	9
NEW METHOD OF PREDICTING REENTRY RADIATION ON THE PRESENCE OF A NON-CONVENTIONAL/NON-CHARACTERIZED THERMAL PROTECTION SYSTEM MATERIAL	Modeling, Simulation & Testing	Gilles BAILET	gillesbailet@me.com	oral	10
An Analytical Hypersonic Boundary Layer Transition (HBLT) Prediction Tool for the Sharp Edge Flight Experiment (SHEFEX) -III Reentry Vehicle	Modeling, Simulation & Testing	Siddharth Krishnamoorthy, Peter Noeding	skrishnamoorthy@stanford.edu	oral	11
Hypersonic Entry Trajectory Optimization of High Ballistic Coefficient Vehicles	Modeling, Simulation & Testing	Christopher Lorenz	chris.g.lorenz@gmail.com	oral	12

Title	Category	Author	Author Email	Type	Session Order
Rocket Deployed Stability Flight Testing for a Candidate Aeroshell Shape	Modeling, Simulation & Testing	Alan L Strahan	alan.l.strahan@nasa.gov	oral	13
Dynamic stability of ERC via balloon drop tests	Modeling, Simulation & Testing	steve lingard	steve.lingard@vorticity-systems.com	oral	14
Dynamic CFD Simulations of the Supersonic Inflatable Aerodynamic Decelerator (SIAD-R) Ballistic Range Tests	Modeling, Simulation & Testing	Joseph Brock	joseph.m.brock@nasa.gov	oral	15
Preliminary Results of a Ballistic Range Test of a 2% Scale Mars 2020 Entry Capsule with Onboard Pressure Measurement	Modeling, Simulation & Testing	Mark Schoenenberger	mark.schoenenberger@nasa.gov	oral	16
TBD					
Airless Bodies Thursday, June 16, from 2:30 PM to 4:15 PM Conveners: Diego DeRosa Robert Buchwald Erisa Hines Daniele Teti					
ALL THESE WORLDS ARE YOURS—EXCEPT EUROPA. ATTEMPT NO LANDING THERE	Airless Bodies	S. J. Saikia, M. de Jong, and T. Balin3	saragjs@gmail.com	oral	1
ICY MOON MOBILITY SYSTEM ANALYSIS TOOL	Airless Bodies	Luis Pablo Podesta	lpodesta@purdue.edu	oral	2
PROSPECTING AND RETURNING LUNAR SURFACE SAMPLES WITH VOLATILES	Airless Bodies	Robert Buchwald	robert.buchwald@airbus.com	oral	3
Mission Design Challenges of the Asteroid Impact Mission	Airless Bodies	Ingo Gerth	ingo.gerth@ohb.de	oral	4
NAVIGATION STRATEGY FOR THE ASTEROID IMPACT MISSION (AIM)	Airless Bodies	João Vasconcelos	joao.vasconcelos@spinworks.pt	oral	5
ASTEROID GEOPHYSICAL EXPLORER (AGEX) : A DIDYMOS SYSTEM EXPLORATION MISSION BASED ON CUBESATS	Airless Bodies	David Mimoun	david.mimoun@isae.fr	oral	6
Shape optimization of small-body landers	Airless Bodies	Stefaan Van wal	stefaan.vanwal@colorado.edu	oral	7
Landing Site Selection & Definition Friday, June 17 from 8:30 AM to 10:00 AM Richard Otero Christina Holstein-Rathlou Paul Brugarolas					
So you want to land on Venus?	Landing Site Selection & Definition	Jason Rabinovitch and Jennifer Rocca	jason.rabinovitch@jpl.nasa.gov	oral	1
Geospatial Data Georeferencing and Mosaicing for Entry, Descent, Landing, and Traverse Site Analysis	Landing Site Selection and Definition	F.J. Calef	Fred.Calef@jpl.nasa.gov	oral	2
Terrain Slope Hazard Characterization Extrapolated from Quantified Analogs - Training the Human Eye to See Like a DTM for Mars 2020 Landing Site Selec	Landing Site Selection and Definition	James Ashley	james.w.ashley@jpl.nasa.gov	oral	3
Mars 2020 Candidate Landing Site Case Study: Evolution of an Ellipse Placement	Landing Site Selection and Definition	Rich Otero	Richard.E.Otero@jpl.nasa.gov	oral	4
ON-BOARD TERRAIN RELATIVE SAFE-TARGET SELECTION FOR THE M2020 MISSION	Landing Site Selection and Definition	P. Brugarolas, J. Casoliva, A. Johnson, S. Mohan, A. Chen, A. Stehura, D. Way, and S. Dutta	paul.brugarolas@jpl.nasa.gov	oral	5
TOUCHDOWN DYNAMICS AND THE PROBABILITY OF TERRAIN RELATED FAILURE OF PLANETARY LANDING SYSTEMS	Landing Site Selection and Definition	Lars Witte	lars.witte@dlr.de	oral	6
Cross Cutting Technologies Friday, June 17 from 10:15 to 11:45 AM Conveners: Michelle Munk Bernie Bienstock					
Hardware Acceleration of Multi-Mission Image Processing for Optical Navigation	Cross Cutting Technologies	Lúcia Carreira	tiago.hormigo@spinworks.pt	oral	1
Making of the Galileo Flow Field Artifacts	Cross Cutting Technologies	Tibor Balint	tibor.balint@network.rca.ac.uk	oral	2
Development of a Microscale Gallium Nitride Sun Sensor for CubeSat Orientation	Cross Cutting Technologies	Ruth A. Miller, Hongyun So, Heather C. Chiamori, Ateeq J. Suria, Caitlin A. Chapin, and Debbie G. Senesky	rmiller7@stanford.edu	oral	3

Title	Category	Author	Author Email	Type	Session Order
LITHIUM CARBON DIOXIDE COMBUSTION POWER SYSTEM FOR VENUS LANDER	Cross Cutting Technologies	Christopher Greer	czg5155@gmail.com	oral	4
Maturing Vision-Based Navigation Technologies for JUICE	Cross Cutting Technologies	Gregory Jonniaux	gregory.jonniaux@airbus.com	oral	5
EXOMARS LANDER BACK COVER INSTRUMENT PACKAGE COMARS+	Cross Cutting Technologies	Ali Guelhan, Thomas Thiele, Frank Siebe, Uwe Koch, Rolf Kronen	ali.guelhan@dlr.de	oral	6
Poster Session Authors and Session Wednesday, June 15 from 5:00 to 7:00 PM					
PLANETARY OBJECT GEOPHYSICAL OBSERVER (POGO) FOR IN SITU OBSERVATIONS OF AIRLESS BODIES	Airless Bodies	Elena Adams	Elena.Adams@jhuapl.edu	poster	
MOBILITY TECHNOLOGY FOR ENCELADUS TERRAIN ACCESSIBILITY (ETNA)	Airless Bodies	Paul Witsberger	pwitsber@purdue.edu	poster	
MOBILE UTILITY PLATFORM FOR PROBING EUROPA'S TERRAIN (MUPPET)	Airless Bodies	Benjamin Libben	blibben@purdue.edu	poster	
Mission on Autonomous UAV for Lunar Inspection	Airless Bodies	BALAJI SOUNDARARAJAN	aerobala7@gmail.com	poster	
Optimal Electrode Arrangements for Electrostatic Alleviation of Reentry Blackout	Cross Cutting Technologies	Siddharth Krishnamoorthy, Sigrid Close	skrishnamoorthy@stanford.edu	poster	
Magnetohydrodynamically Enhanced Deceleration for Planetary Entry Vehicles	Current and Proposed EDL Technology	Hisham K. Ali	hisham.ali@gatech.edu	poster	
A Decelerator for Pluto Entry, Descent, and Landing	Current and Proposed EDL Technology	Benjamin Goldman	benjamin.d.goldman@gaerospace.com	poster	
ASSESSMENT OF SYSTEM-LEVEL MASS AND PERFORMANCE OF ENTRY, DESCENT, AND LANDING TECHNOLOGIES FOR HUMAN AND ROBOTICS MISSIONS TO MARS	Current and Proposed EDL Technology	Eiji Shibata, Ben Libben, Maxim de Jong, Sarag Saikia	eshibata@purdue.edu	poster	
Combining Camera-based Hazard Detection and Terrain Relative Navigation in a SLAM-like approach	Current and Proposed EDL Technology	Svenja Woicke and Erwin Mooij	s.woicke@tudelft.nl	poster	
Inflatable Decelerators for Human-Scale Missions to Mars	Current and Proposed EDL Technology	Robert Dillman	Robert.A.Dillman@nasa.gov	poster	
Lifting Entry Validation Experiment (LEVE) for Lifting Entry Atmospheric Flight (LEAF) Systems	Current and Proposed EDL Technology	Greg Lee	gregory.j.lee@ngc.com	poster	
Magnetohydrodynamic Energy Generation and Atmospheric Breathing Supersonic Retropropulsion for Mars Descent	Current and Proposed EDL Technology	Keir Gonyea	fencemaster@gmail.com	poster	
Mars 2020 Terrain Relative Navigation Accommodation	Current and Proposed EDL Technology	Aaron Stehura	astehura@jpl.nasa.gov	poster	
SENSOR DATA FUSION FOR HAZARD MAPPING AND PILOTING	Current and Proposed EDL Technology	Kanani	keyvan.kanani@airbus.com	poster	
Technology Overview and Assessment for Small-Scale EDL Systems	Current and Proposed EDL Technology	Casey Heidrich	crheidrich@gatech.edu	poster	
Development of Atmospheric Entry Trajectory and Aerothermodynamics Code & Design of Deployable Aer-odynamic Decelerator for Sample Return Mission	Drag, Aerobraking and Aerocapture Technologies	Arturs Jasjukevics	a.jasjukevics@gmail.com	poster	
Gas Generators and their potential to support Human-Scale HIADs	Drag, Aerobraking and Aerocapture Technologies	Richard Bodkin	richard.j.bodkin@nasa.gov	poster	
The Horizon 2020 project IRENA (International Re-Entry demoNstrator Action)	Drag, Aerobraking and Aerocapture Technologies	Jean-Marc Bouilly	jean-marc.bouilly@astrium.eads.net	poster	
Air Dust Removal Tool (AirDRT): A Novel Concept for Cleaning Rocks and Spacecraft Surfaces off Dust on Mars Using High Speed Propeller	Instrumentation and Science Investigations	Kris Zacny	zacny@honeybeerobotics.com	poster	
Astrobiology at CNES: research and development programmes paving the way for the future.	Instrumentation and Science Investigations	Pascale Chazalnoel	Pascale.Chazalnoel@cnes.fr	poster	
CHARACTERIZATION OF A METHOD FOR INVERSE HEAT TRANSFER	Instrumentation and Science Investigations	M. E. Pizzo, K. S. Bey, and D. E. Glass	mpizzo@odu.edu	poster	

Title	Category	Author	Author Email	Type	Session Order
MARSDROP: GETTING MINIATURE INSTRUMENTS TO THE SURFACE OF MARS AS SECONDARY PAYLOADS	Instrumentation and Science Investigations	Robert Staehle	Robert.L.Staehle@jpl.nasa.gov	poster	
ULTRASONICALLY ASSISTED PENETRATION THROUGH GRANULAR MATERIALS	Instrumentation and Science Investigations	David Firstbrook	d.firstbrook.1@research.gla.ac.uk	poster	
INVESTIGATING TITAN'S GEOLOGY AS MEANS FOR THE PREPARATION OF FUTURE MISSIONS	Landing Site Selection and Definition	Anezina Solomonidou	Anezina.Solomonidou@jpl.nasa.gov	poster	
A MULTI-PLANET, MULTI-SPACECRAFT FLAGSHIP CLASS MISSION CONCEPT TO EXPLORE A GAS GIANT AND AN ICE GIANT PLANET	Missions	A. Mudek and S. J. Saikia	amudek@purdue.edu	poster	
A Summary Of The SOAREX-8 and SOAREX-9 Sub-orbital Test Flights	Missions	Marcus S. Murbach	marcus.s.murbach@nasa.gov	poster	
Assessment of Venus Aerial Platforms for In-Situ Measurements and Analysis of Optimal Altitude for Superpressure Balloons	Missions	Robert Rolley	rrolley@purdue.edu	poster	
ATHENEA - A mission proposal to a Main Belt Comet	Missions	C. Mockel	mockel.chris@gmail.com	poster	
Biosignature Explorer for Europa (BEE) Probe – Directly Searching for Life Evidence on Europa	Missions	Michael Amato	michael.amato@nasa.gov	poster	
Concept of Lunar Ballistic Robot Exploration (BARE)	Missions	BALAJI SOUNDARARAJAN	aerobala7@gmail.com	poster	
Cubesat Application for Planetary Entry (CAPE) Missions: Micro-Return Capsule (MIRCA)	Missions	Jaime Esper	jaime.esper@nasa.gov	poster	
Exomars Heatshield	Missions	Yann Mignot	yann.mignot@astrium.eads.net	poster	
GLIDING THROUGH THE HYDROCARBON LAKES OF TITAN USING A STEERABLE PARACHUTE.	Missions	Ye Lu	yelu@purdue.edu	poster	
Gravity Tractor Dynamics under the Effect of Non-Homogenous Gravity Fields of Asteroids	Missions	S. P. Shekhar and Y. Ketema	pavag005@umn.edu	poster	
INTRODUCTION AND PROGRESS OF THE AIM CUBESAT OPPORTUNITIES, (COPINS).	Missions	D Binns	david.binns@esa.int	poster	
IXV: THE MISSION OF THE FIRST LIFTING BODY REENTRY VEHICLE	Missions	Davide Bonetti	davide.bonetti@deimos-space.com	poster	
MARIUS MISSION: Proposal for an ESA M-class seismology mission to Europa.	Missions	Mathijs Van de Poel	mathijs.vandepoel@gmail.com	poster	
KRUPS Design Integration Overview	Missions	Chris Meek	chris.meek91@gmail.com	poster	
RAPID EXPLORATION OF THE SOLAR SYSTEM USING AEROGRAVITY-ASSIST	Missions	Peter Edelman, Eiji Shibata, Sarag Saikia, Jim Longuski	eshibata@purdue.edu	poster	
ROBOTIC GRIPPER DESIGN AND TESTING FOR POTENTIAL MARS SAMPLE RETURN (MSR)	Missions	RYAN MCCORMICK	mccormic@jpl.nasa.gov	poster	
Saturn-Uranus Trajectories for Multi-Planet Missions	Missions	Kyle Hughes	kylehughes@purdue.edu	poster	
PLANETARY PROBE ENTRY ATMOSPHERE RECONSTRUCTION USING SYNTHETIC AIR DATA SYSTEM	Modeling, Simulation & Testing	Chris Karlgaard	karlgaard@ama-inc.com	poster	
GEERGEER: A unique capability to support planetary exploration and probe development	Modeling, Simulation & Testing	Tibor Kremic	tibor.kremic@nasa.gov	poster	
Hypervelocity Expansion Tube Studies of Blunt Body Aerothermodynamics in CO2.	Modeling, Simulation & Testing	Matthew Leibowitz	mgleibow@caltech.edu	poster	
LOW DENSITY SUPERSONIC DECELERATOR (LDSD) SUPERSONIC FLIGHT DYNAMICS TEST (SFDT) PLUME INDUCED ENVIRONMENT MODELLING	Modeling, Simulation & Testing	Brandon L. Mobley	Brandon.L.Mobley@nasa.gov	poster	
SIZING METHODS FOR ADVANCED MARS ENTRY DESCENT AND LANDING SYSTEMS	Modeling, Simulation & Testing	Marcus Lobbia	marcus.a.lobbia@jpl.nasa.gov	poster	
SurRender, an image rendering software for scientific space scene simulation	Modeling, Simulation & Testing	Roland Brochard	roland.brochard@airbus.com	poster	