

STARSHIP CONGRESS 2019: BEND METAL

FINAL PROGRAM AND AGENDA

Revised 9/9/19

Day 1 Friday, September 13th, 2019

	Time	Duration	Speaker	Affiliation	Topic Description / Activity
	8:30	0:15	Registration Opens Coffee		
	8:45	0:15	Andreas Tziolas (Chair)	Icarus Interstellar	About Day 1
SESSION 1A	1 9:00	1:00	Mat Kaplan **	Planetary Society	The Planetary Society's LightSail 2: Sailing on the Light of a Star
hardware	2 10:00	0:40	John Hunter	Green Launch	A Hydrogen Impulse Launcher to reduce space access to \$100/lb
	10:40	0:10	--- BREAK		
	3 10:50	0:40	Michael Laine	Liftport	Grand Architecture – Opening the Solar System with the Lunar Space Elevator.
	4 11:30	0:40	Daniel Sheehan	University of San Diego	Heat Recyclers for Interstellar Missions
	5 12:10	0:40	Keith Henson	L5 Society	Design of low mass, low temperature, low-pressure radiators for use in space.
	12:50	1:00	--- LUNCH BREAK		
SESSION 1B	6 13:50	1:00	Mikhail Kokorich **	Momentum	Water Will Power a Newspace Goldrush
biomedicine	7 14:50	0:40	Alysson Muotri	UCSD	Development of human brain organoids in microgravity
	8 15:30	0:40	Pierre Wensel	Spira	Closed-Loop Photosynthetic Cultivation System
	9 16:10	0:20	Christoph Lahtz	Icarus Interstellar	Biochemistry of Aliens: Getting to know our neighbours
	16:30	0:10	--- BREAK		
SESSION 1C	10 16:40	0:20	Nathan Morrison	Icarus Interstellar	Rapid Prototyping - The Development of the Exoskeletal Gauntlet Platform
prototyping	11 17:00	0:40	Richard Obousy	Icarus Interstellar	Starship Hacking: Balancing FTL Aspirations with the Realities of Life/Career
	12 17:40	0:40	John Botha	Software Developer	The BOT Drive
	13 18:20	0:20	Robert Buckalew ** andreas		Microbots – The Seeds of Interstellar Colonization
	18:40		--- BREAK AND SOCIAL	<i>Social meetup venues announced at Congress</i>	

Day 2 Saturday, September 14th, 2019

	Time	Duration	Speaker	Affiliation	Topic Description / Activity
	8:30	0:25	Registration Opens Coffee		
	8:55	0:05	Nathan Morrison (Chair)		About Day 2
SESSION 2A	1 9:00	1:00	Keith Henson	L5 Society	On the Development of Power Satellites at 2000 km
incubators	2 10:00	0:40	Randy Chung	SpaceFab.US	Business Plans for Satellites and Space Manufacturing
	10:40	0:10	--- BREAK		
	3 10:50	0:40	Giorgio Gaviraghi	Professor UFMT Brazil	Interstellar Travel Disruptive Tech Whose Development can Start Immediately
	4 11:30	0:40	Andreas Tziolas	Icarus Interstellar	The Minimum Viable Starship
	5 12:10	0:40	Nick Nielsen	Icarus Interstellar	Futurism for Financiers
	12:50	1:00	--- LUNCH BREAK		
SESSION 2B	6 13:50	1:00	Joe Carroll	Tether Applications, Inc	Living Beyond Earth, in Partial Gravity?
investments	7 14:50	0:40	David Brin		Opportunities, dangers and destiny in the Solar System... and beyond
	8 15:30	1:00	<i>Venture Capital I</i>	<i>NASA SBIR, JA Capital Partners, Space Technology Holdings LLC, Impacta Lab</i>	
	16:30	0:10	--- BREAK		
	9 16:40	1:00	<i>Venture Capital II</i>	<i>NASA SBIR, JA Capital Partners, Space Technology Holdings LLC, Impacta Lab</i>	
SESSION 2C	10 17:40	0:40	Tyler Suard **	AI Software Engineer	Mature Artificial Intelligence Solving Interstellar Exploration Solutions
deep learning	11 18:20	0:20	Michael Laine **	Liftport	Idea Factory – an Incubator with a Purpose
	18:40		--- BREAK AND SOCIAL	<i>Social meetup venues announced at Congress</i>	

Day 3 Sunday, September 15th, 2019

	Time	Duration	Speaker	Affiliation	Topic Description / Activity
	8:30	0:30	Registration Opens Coffee		
SESSION 3A	9:00	0:10	Andreas Tziolas (Chair)		Bend Metal Hackathon - Description of Process and Motivations
hackathon	9:10	0:20	Michael Laine		Noumenia Process – a Framework for How to get 'There' from 'Here'
	9:30	3:00	BEND METAL HACKATHON		Group working session identifying products, services, markets
SC19 Ends	12:30				which help advance space exploration, followed by brief presentations.