7th ICATT, Welcome



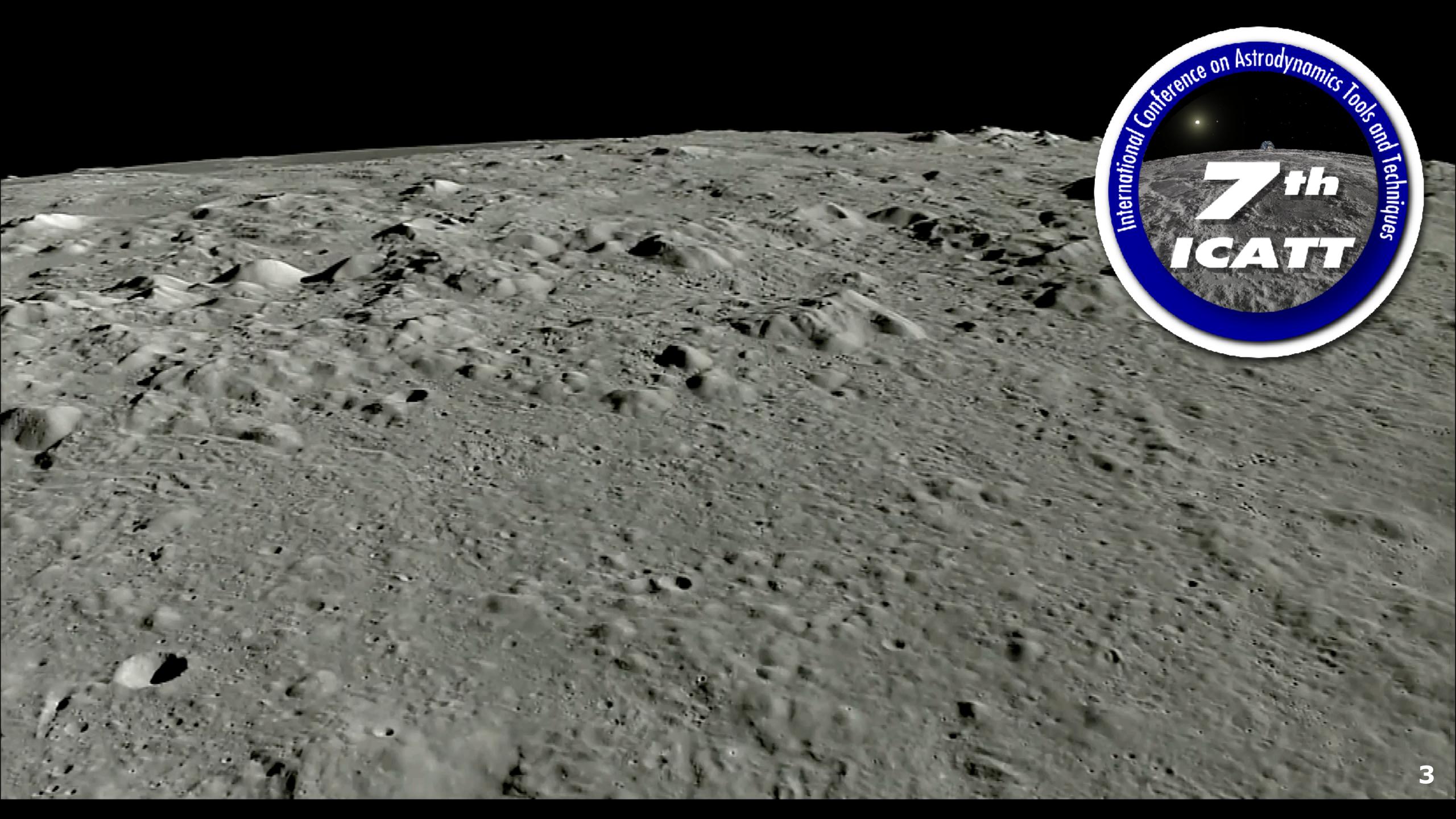
G. Ortega
November 7th, 2018
DLR Oberpfaffenhofen, Germany



Welcome to the 7th edition

To the Moon and Beyond New Ways of Astrodynamics

- •ICATT aims at providing agencies, companies, organisations, universities and research institutes with a forum of excellence in the area of astrodynamics and space flight mechanics
- The 7th edition of ICATT is dedicated to the exploration of the Moon and beyond



ICATT editions

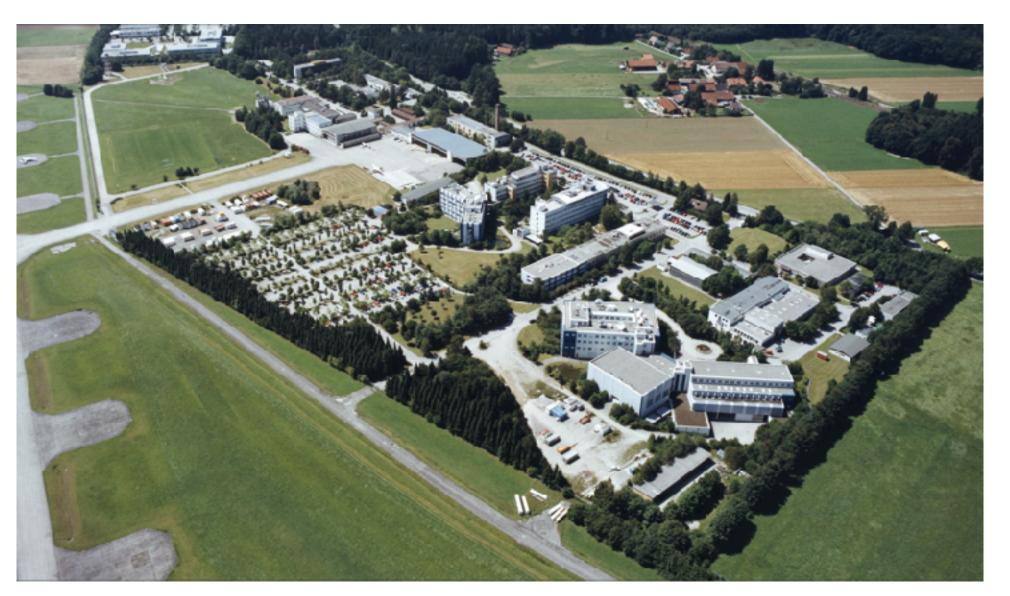




Hosting by DLR











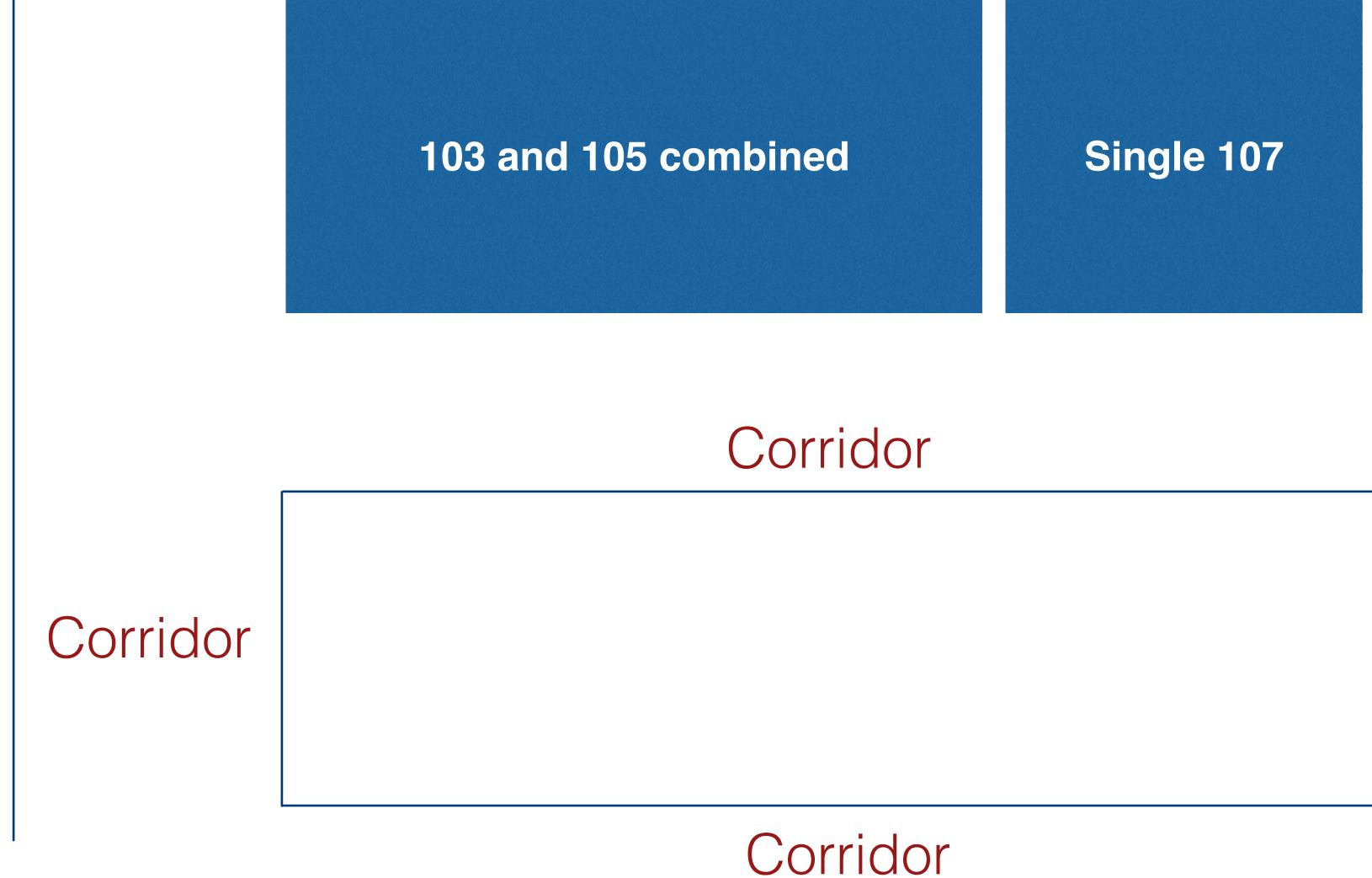
7th ICATT overall schedule



TUE	WED	THU	FRI	
	09:00	09:00	09:30	
Tutorials		Parallel blocks	Parallel blocks	
	Plenary block	Coffee	Coffee	
			Parallel blocks	
		Parallel blocks	Lunch break	
Tutorial	Parallel blocks	Parallel blocks	Parallel blocks	
	Coffee	Coffee		
		Parallel blocks		

7th ICATT rooms @DLR

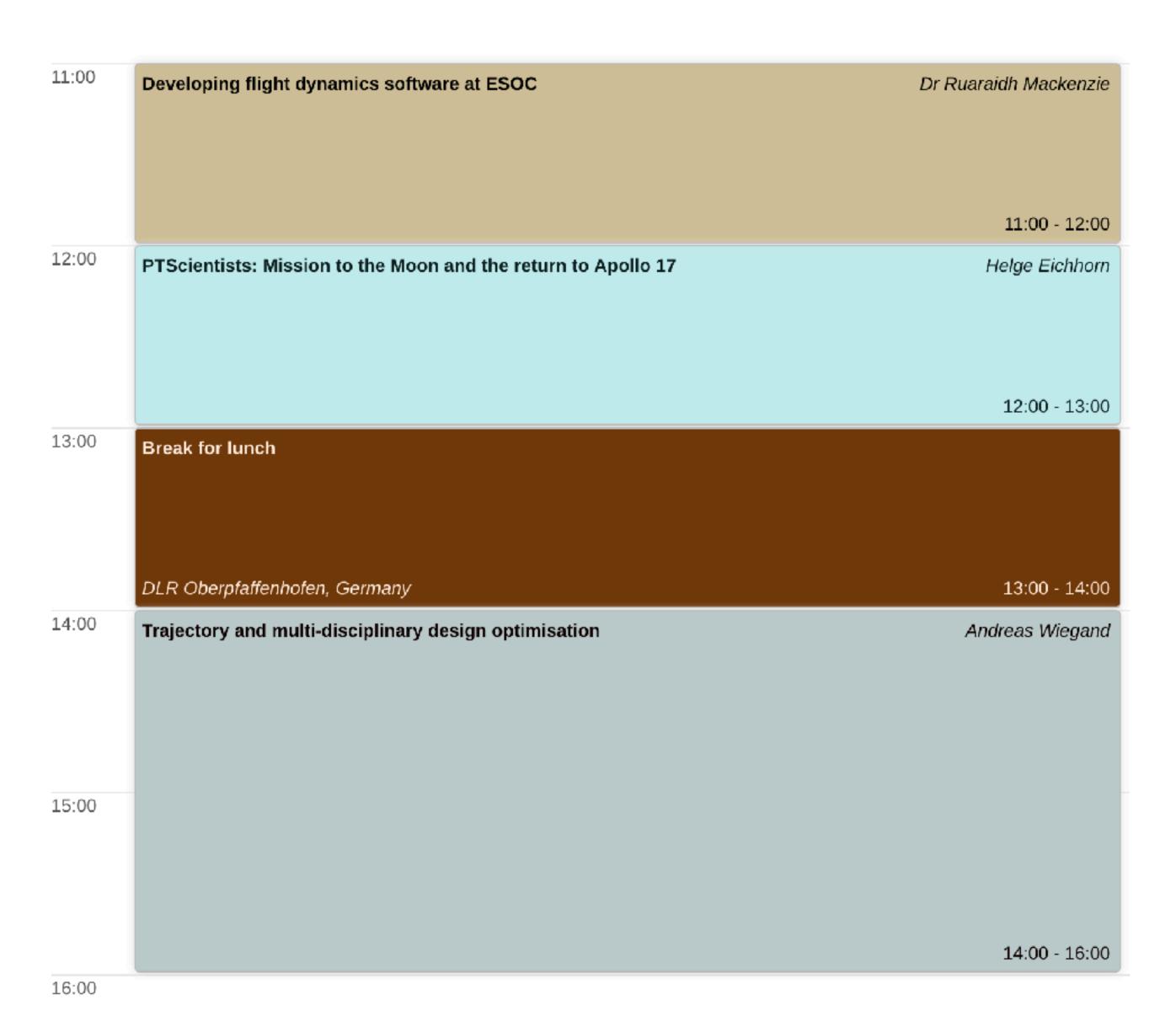




TUE November 6th, 2018 AM and PM

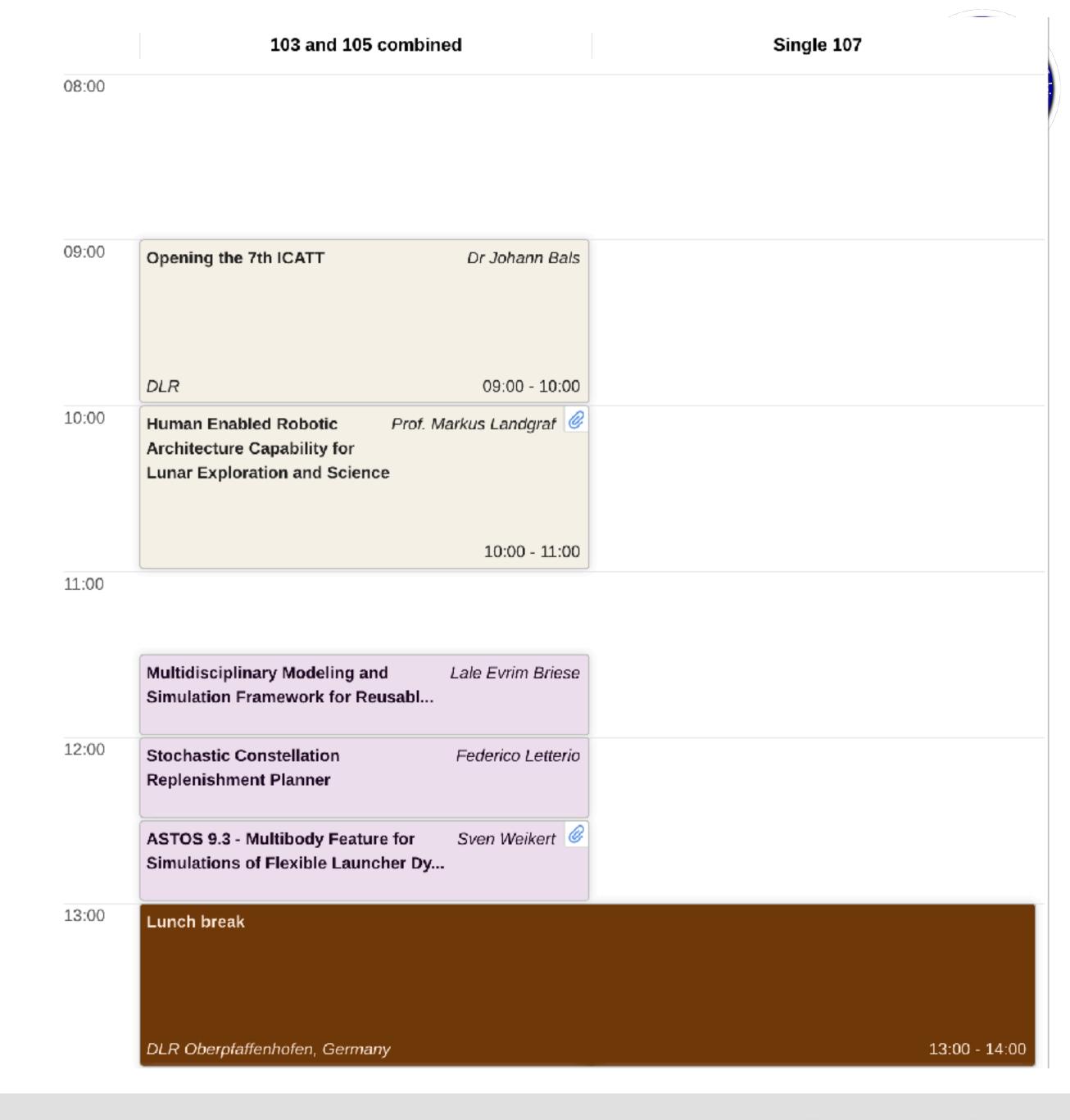


- Developing flight dynamics software at ESOC By Ruaraidh Mackenzie (ESOC)
- PTScientists: Mission to the Moon and the return to Apollo 17 By Helge Eichhorn (PTScientists)
- Trajectory and multidisciplinary design optimisation by Andreas Wiegand (Astos Solutions GmbH)



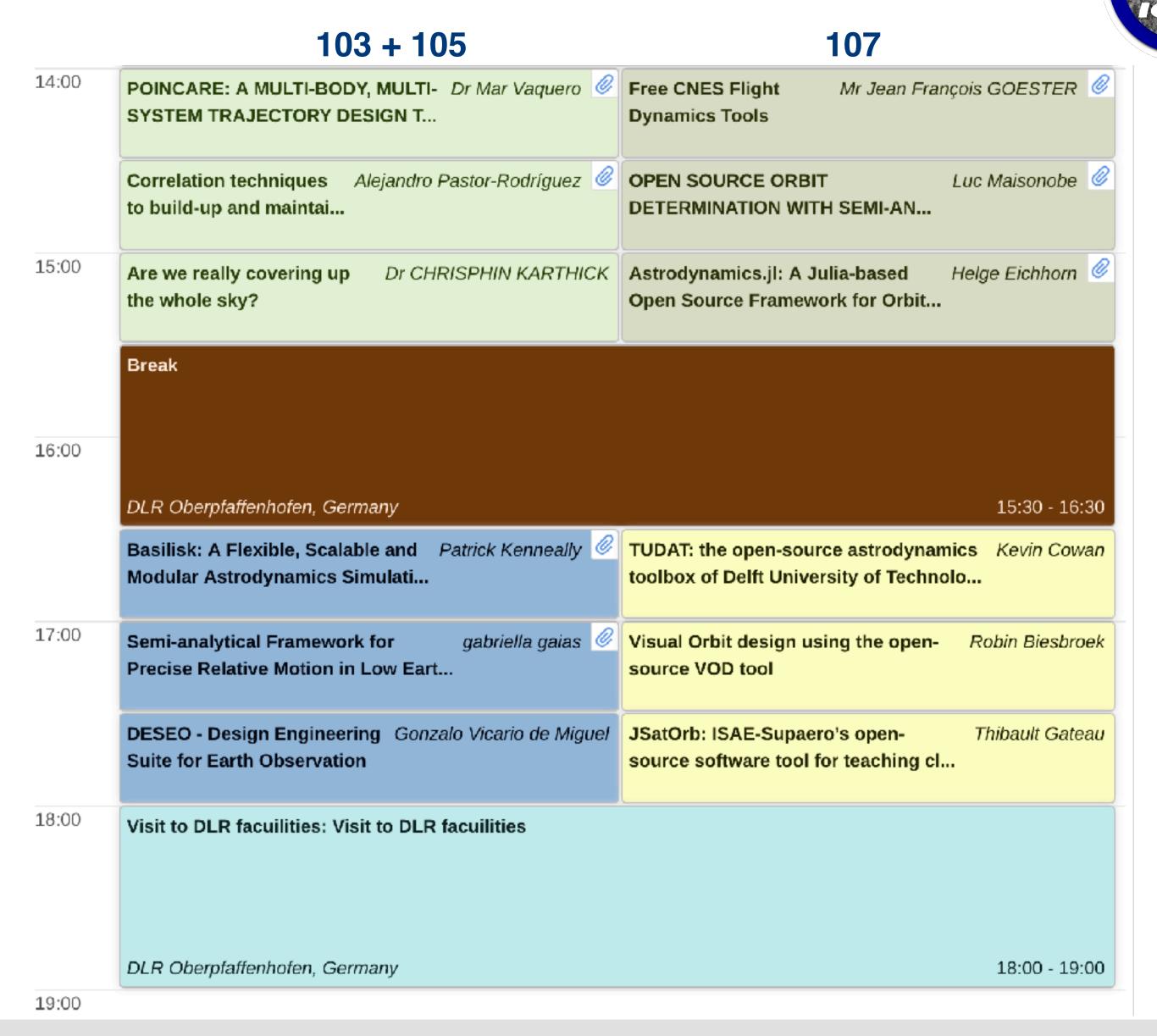
WED November 7th, 2018 AM

- Opening ICATT
- Keynote speech about HERACLES
- Ascent #1 block



WED November 7th, 2018 PM

- Loitering, Orbiting #1 and #2
- Open Source Tools and Smart Computing #1 and #2
- Visit to DLR facilities



THU November 8th, 2018 AM

Astrodynamics Tools and Techniques

Single 107

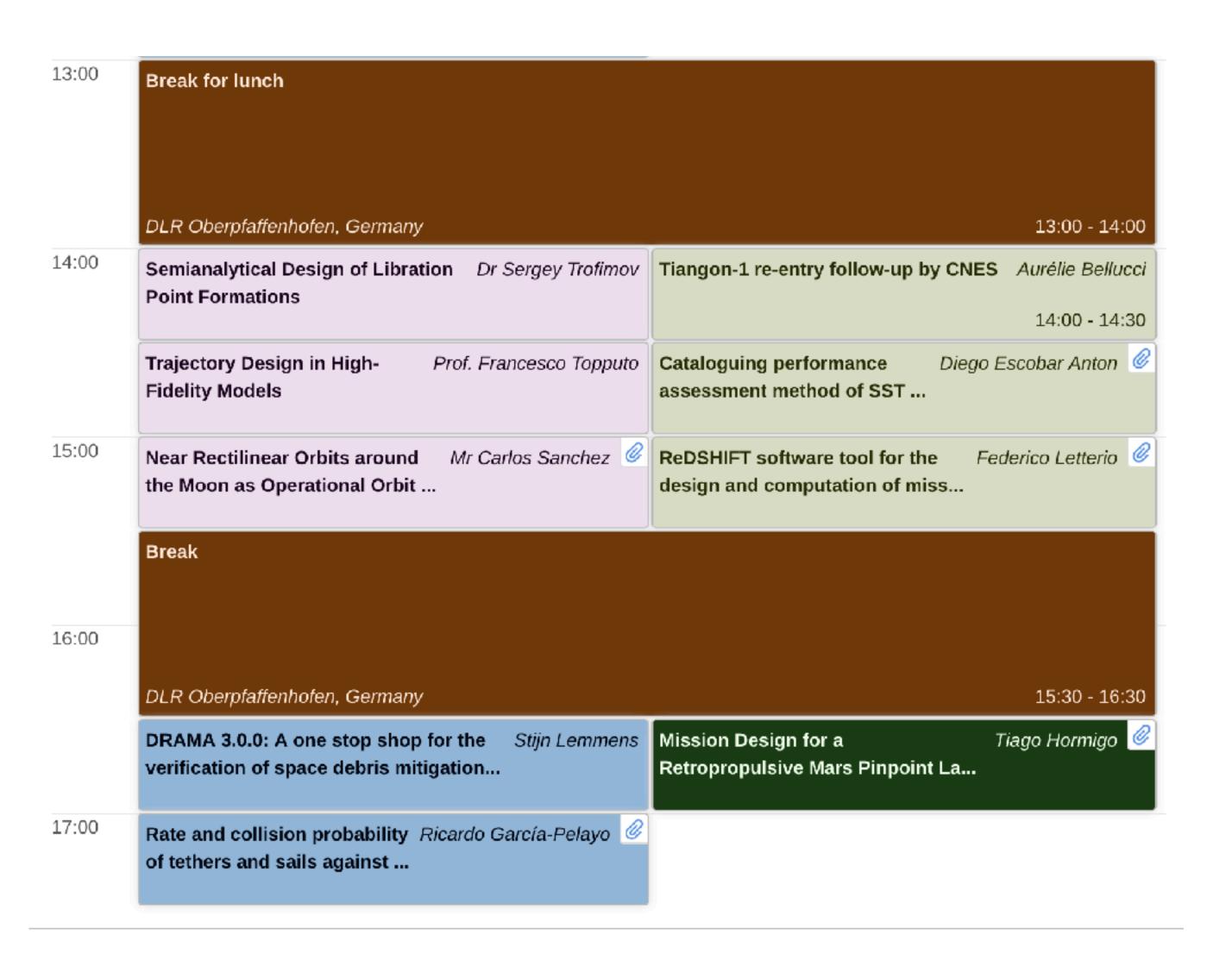
- Interplanetary Flight and Non-Earth Orbits #1, #2
- On-orbit servicing and proximity #1, #2



103 and 105 combined

THU November 8th, 2018 PM





- Interplanetary Flight and Non-Earth Orbits #3
- Clean Space and Environment Modelling #1, #2
- Re-Entry and Aero Assisted Manoeuvres #1

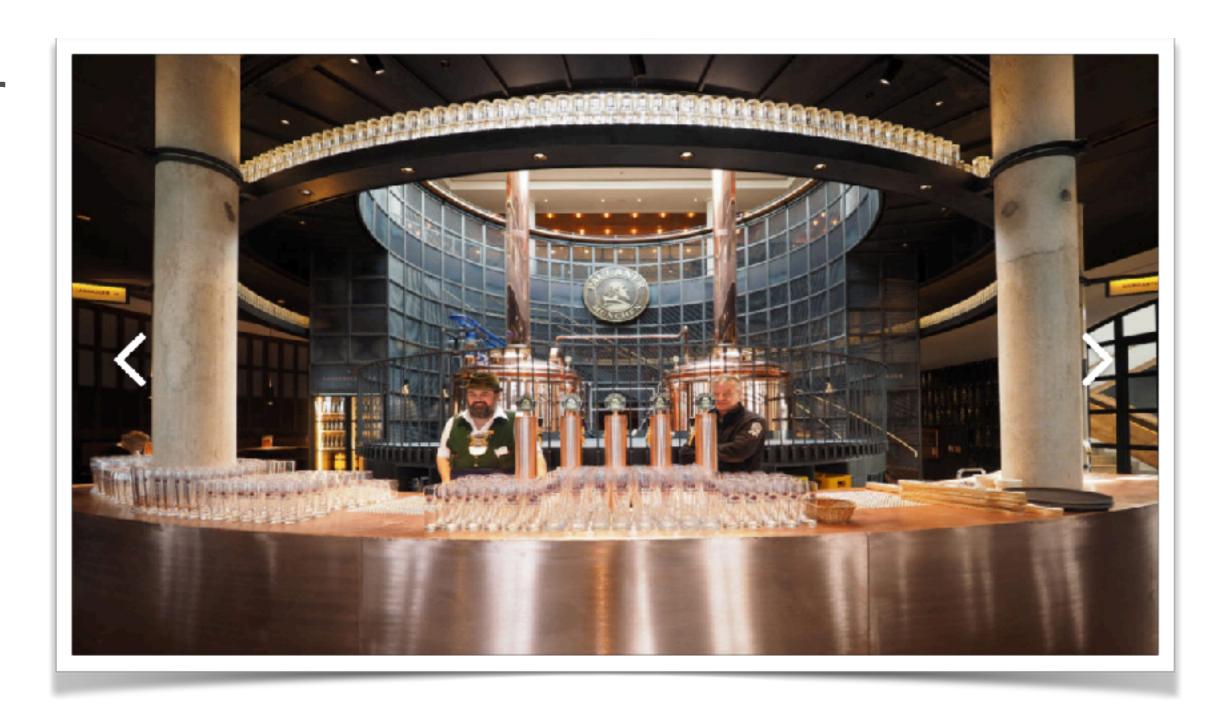
CA The Confidence on Astrodynamics land Techniques

Gala Dinner

To the Moon and Beyond New Ways of Astrodynamics

- The Gala Dinner will take place on THU 8h November 2018 at the traditional Paulaner am Nockherberg famous restaurant in Munich
- Paulaner am Nockherberg Hochstr. 77, 81541 München

 The buss will depart from DLR to Paulaner and come back to DLR





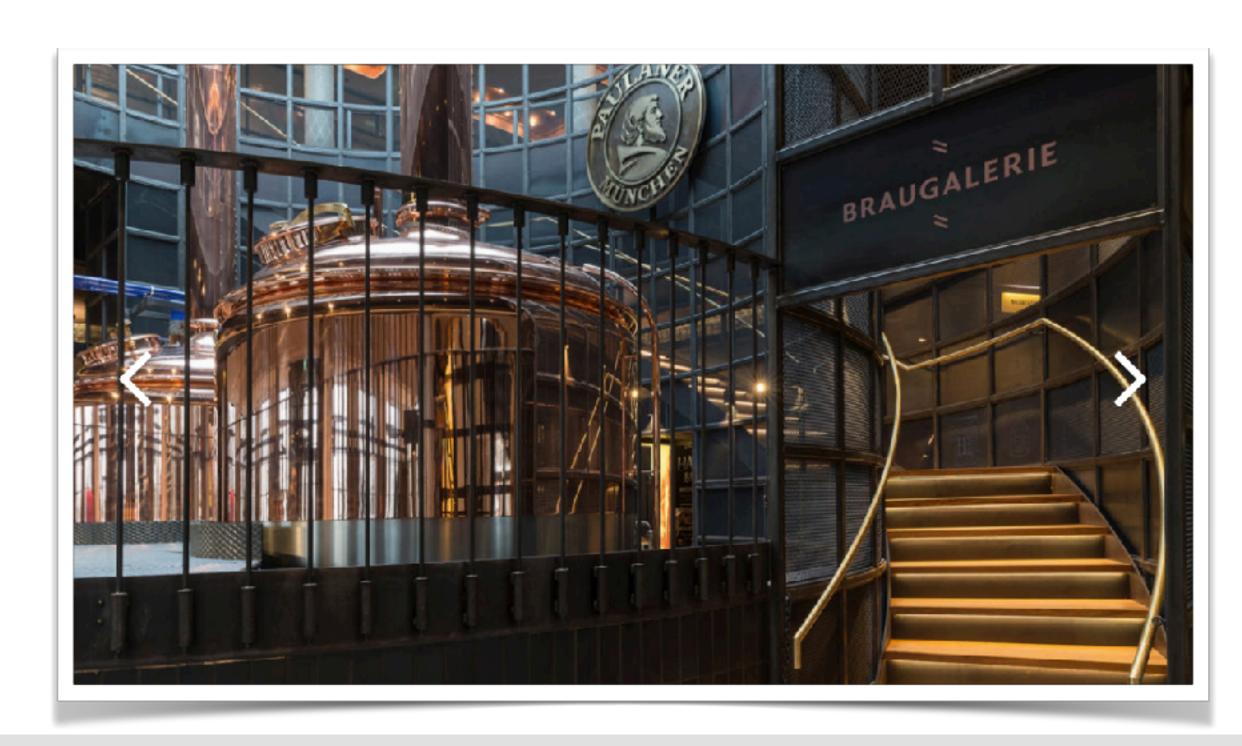
To the Moon and Beyond New Ways of Astrodynamics

Price to best paper



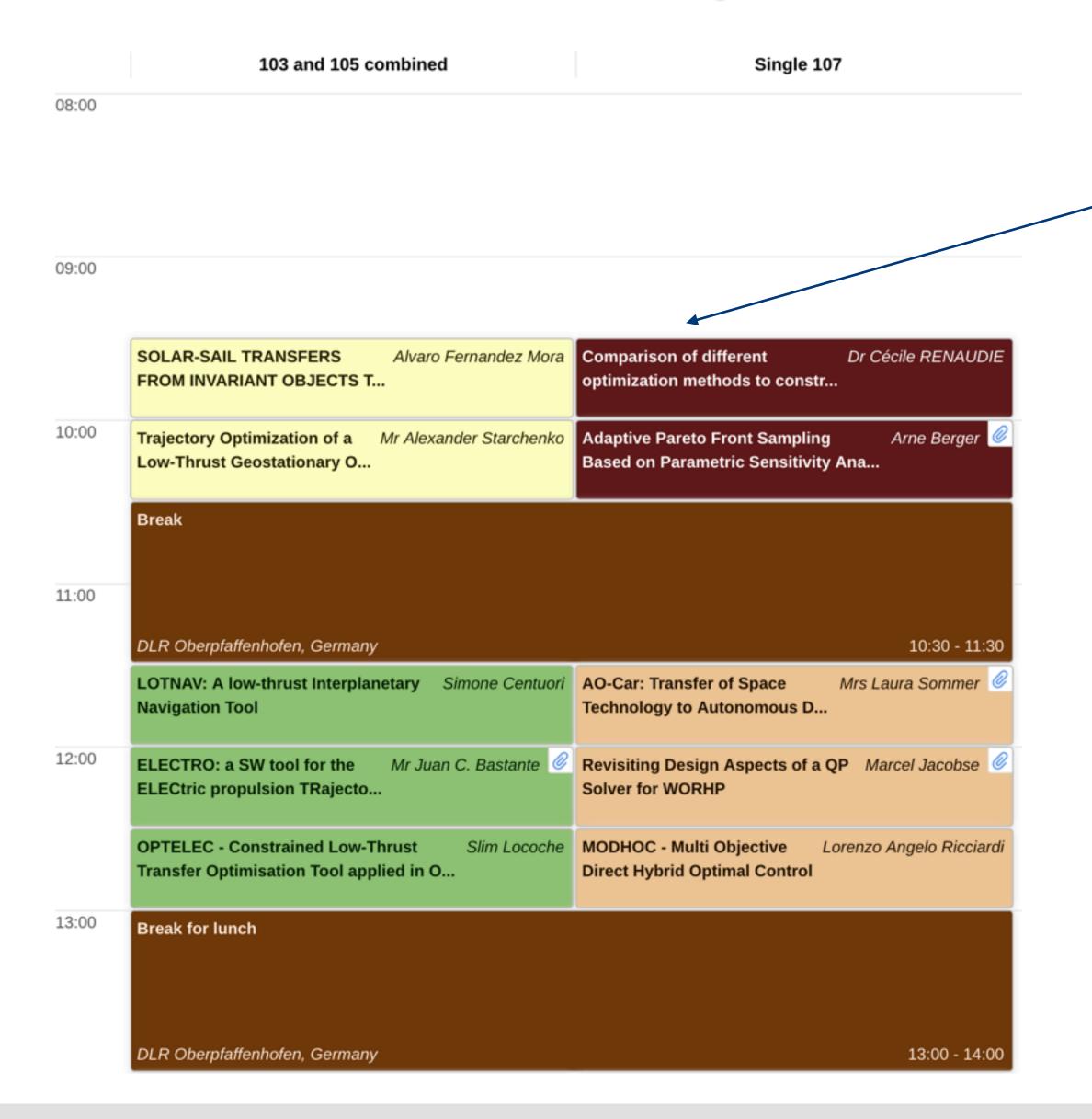
- Price to the best paper is a tablet
- Sponsored by GMV





FRI November 9th, 2018 AM





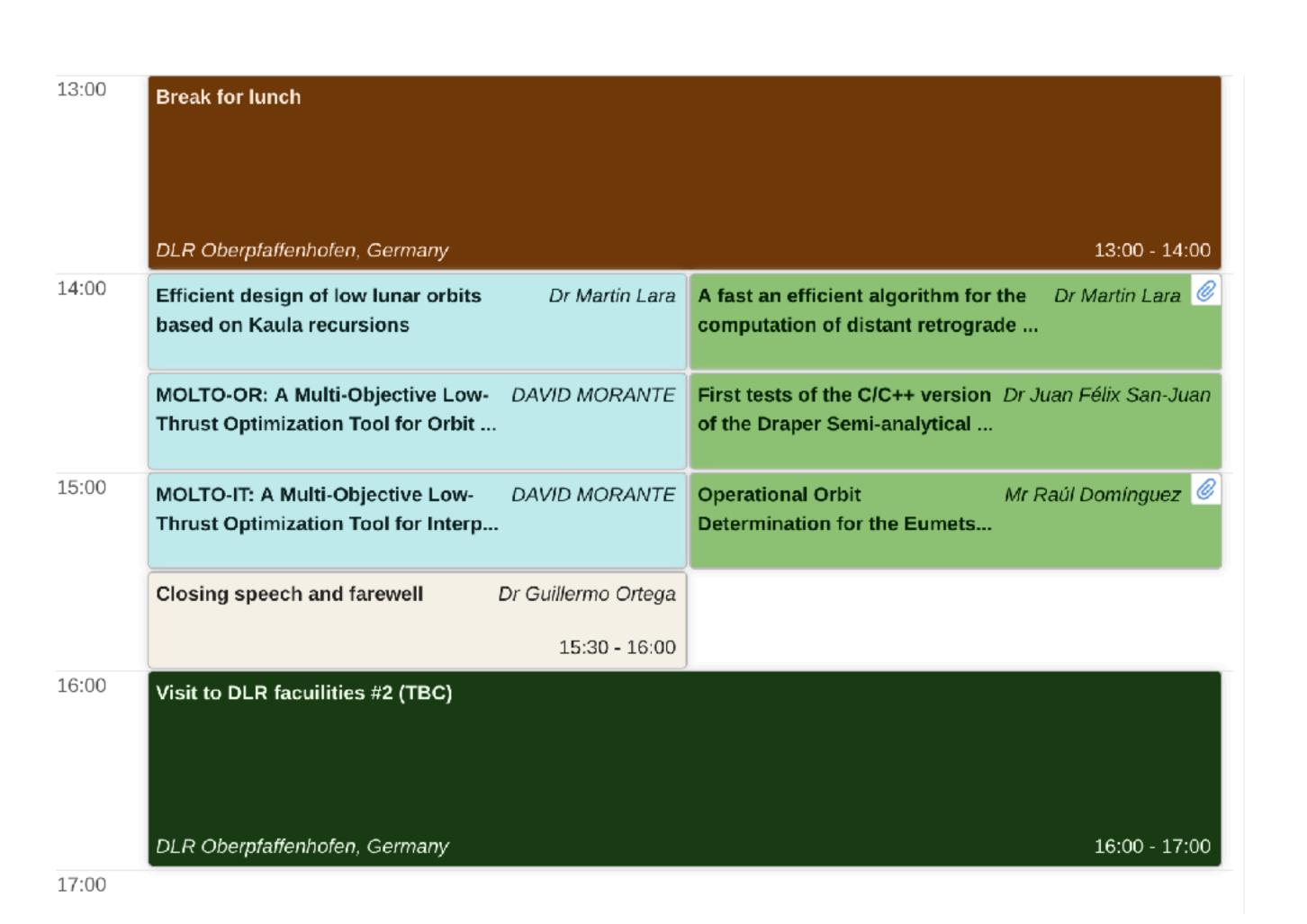
Starting at 09:30!

- •Low Thrust #1, #2
- Optimization and
 Dynamics #1, #2

FRI November 9th, 2018 PM



- Low Thrust #3
- Orbit Determination and Prediction Techniques #1
- Closing speech and farewell



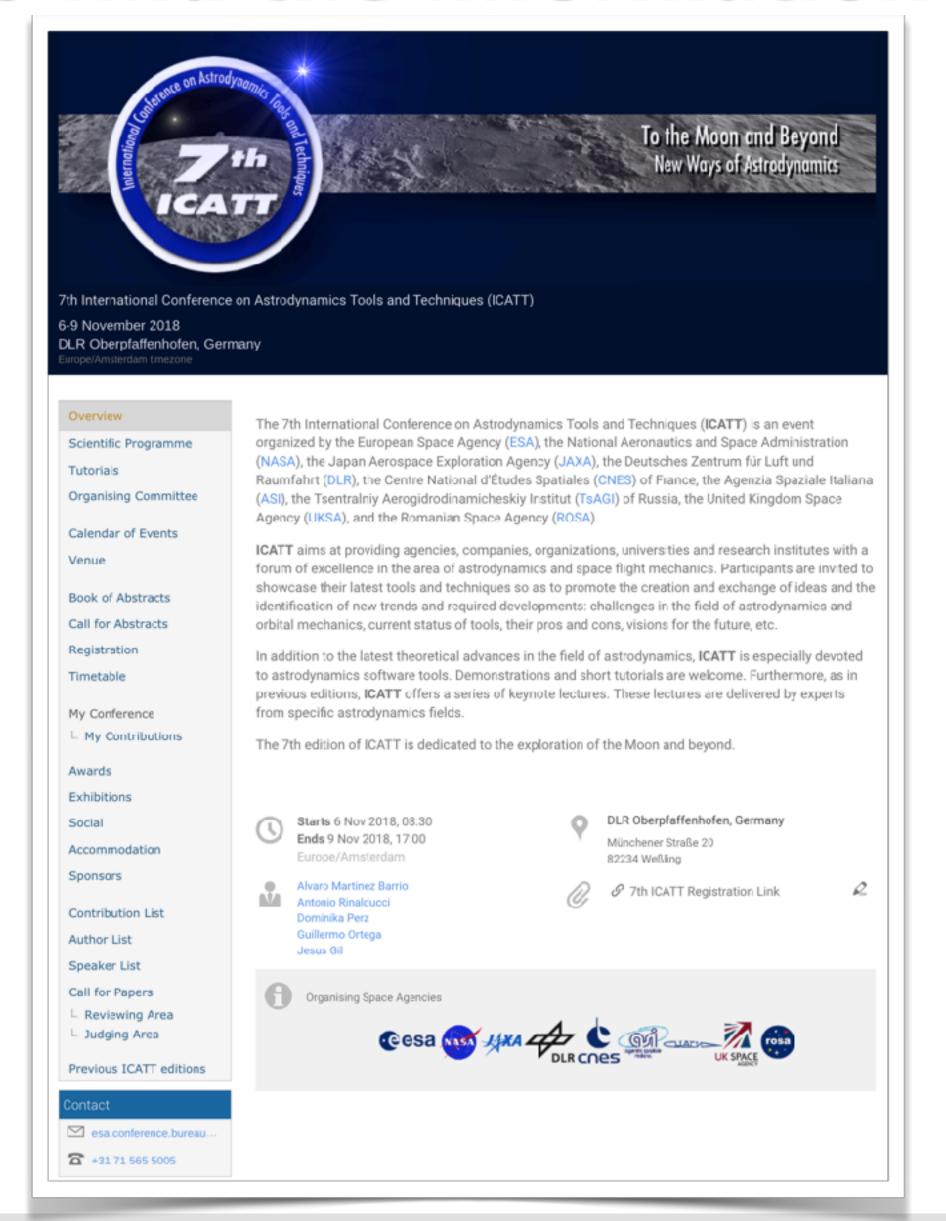
Chairing ICATT



Special thanks to all chairs of the 7th edition!

 Ruaraidh Mackenzie (ESOC), Christina Jetzschmann (Airbus DS D), Emmanuele di Soto (GMV), Stijn Lemmens (ESOC), Helge Eichhorn (PTS), Luc Maisonobe (CS), Jeroen van den Eynde (ESTEC), Federico Letterio (Deimos), Johan Bals (DLR), Juan Carlos Bastante (OHB), Mar Vaquero (NASA), Eric Jofree (Airbus DS UK), Sarah Lammens (S&T), Jean-Francois Goester (CNES)

Where to find the information







Sponsoring









Astos Solutions GmbH sponsors conference bags

GMV sponsors the the awards to the best paper

CS sponsors the drinks of the Gala Dinner



Weather in Munich this week

To the Moon and Beyond New Ways of Astrodynamics





DAY		DESCRIPTION	HIGH / LOW	PRECIP	WIND	HUMIDITY
TUE NOV 6	**	Partly Cloudy	19°⁄6°	/ 0%	ESE 12 km/h	56%
WED NOV 7	***	Partly Cloudy	16°/8°	/ 10%	SE 7 km/h	71%
THU NOV 8	4	AM Showers	11°/5°	/ 40%	N 8 km/h	87%
FRI NOV 9	***	Partly Cloudy	12°/4°	/ 10%	E 7 km/h	82%
SAT NOV 10	*	Partly Cloudy	14°/7°	/ 20%	SE 9 km/h	75%

Please airplane mode your smartphone





Enjoy the conference



