

Go for 2020!

Next Decade - Next Generation

Where do we stand, where are we going?

(updated 12/16/2019)

Dates: 10/20/2019 - 10/01/2020
Countries: USA, Mexico, Dominican Republic, Brazil, Spain, Germany,
India, Russia, Morocco
Host: Jesco von Puttkamer Society
Keynote speaker: Ralf Heckel



Artemis generation and the international division is ready for launch

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download this program here (16-pages PDF, 6 MB):

<http://www.spaceeducation.de/container/pdf/2019/JvP-Tourprogramm2019.pdf>

1. Abstract

20 years ago the new director of the ISS (International Space Station), Prof. Dr. Jesco von Puttkamer (NASA-HQ), and the current director of the ISEI (International Space Education Institute), Ralf Heckel (Germany, active role during the fall of the iron curtain), started an amazing project: The accessibility of Space Education and International contests for everyone on the planet.

The main goal 10 years after the cold war was: "Multi-nationality: learn, design, work and live together, create a future - like on board the International Space Station and beyond".

This goal was never lost. Both opened the doors for many international teams at national US, German and Russian space competitions. This work is financially and politically independent, non-profit and non-government. It continues to grow with more locations, more activities and into more countries worldwide.

The Space Education Readings Tour Program 2019 collects all multinational experiences from the past until the 50th year of landing on the Moon and gives a look into the future of the next decade. What Prof. Dr. von Puttkamer (Apollo, Skylab, Space Shuttle and ISS) called "anti-cyclic", will be present as a VISION for a way of life for everyone who wants to make a future between 2020 and 2030.

This reading also involves the current global development such as: Climate Change, Pollution, Populism or Fridays for Future and gives visions for a new orientation with Space as a smart and possible solution.



multinational design discussion in Leipzig, JvP-summercamp 2012

2. The Tourprogram overview

- 10/21/2019 70th IAC, Washington DC (USA)
- 10/21/2019 German American Heritage Foundation, Washington DC (USA)
- 10/22/2019 McKinley Highschool, Washington DC (USA)
- 10/23/2019 Team-UDC, University Washington DC, Washington DC (USA)
- 10/25/2019 NASA-HQ, Washington DC (USA)
- 10/25/2019 Gala Dinner at National Air & Space Mueum, Udvar Hazy, Dulls Airport
- 10/26/2019 First Robotic Challenge, Haymarket VA (USA)
- 10/27/2019 Team Tecnologico de Monterrey, 4 days, TEC-Cuernavaca (Mexico)
- 11/01/2019 Teotihuacan Pyramides (Mecico)
- 11/03/2019 ROCH-Team, UNAQ, 2 days, Queretaro (Mexico)
- 11/06/2019 Orlando and Cape Canaveral (USA)
- 11/07/2019 Team Apolo 27, INTEC, Santo Domingo (Dominican Rep)
- 11/09/2019 Highschool-Team, Colegio Cientifico, Salcedo (Dominican Rep)
- 11/10/2019 Panama City and Panama-channel (Panama)
- 11/11/2019 Rio de Janeiro, 9 days (Brazil)
- 11/13/2019 The Myths, UFF, Niteroi (Brazil)
- 11/14/2019 Colegio Santa Terezinha, 5 events, Sao Gonzeles (Brazil)
- 11/16/2019 Spacetroopers Brazil, Sao Gonzeles (Brazil)
- 11/18/2019 Team Saquarema, B.M.G.I, Niteroi (Brazil)
- 11/20/2019 High School Ramón y Caja, Madrid (Spain)
- 11/20/2019 Oscars Logix5 Solutions, Madrid (Spain)
- 11/22/2019 pressconference, Berlin (Germany)

- 12/06/2019 Team Rovernauts, 3 days, Leipzig (Germany)

- 12/24/2019 Akshardham Temple Lasershow, Delhi (India)
- 12/27/2019 Youth Space Talk - ISTC, CSIR-CSIO, Chandigarh (India)
- 12/28/2019 Youth Space Conference - 2019, NITTTR, Chandigarh (India)
- 12/29/2019 PEC - College of Kalpana Chawla, Chandigarh (India)
- 12/30/2019 Team Moon Yaan, 3 days, Kurukshetra (India)
- 12/31/2019 Youth Space Talk - Panorama, Kurukshetra (India)
- 01/02/2020 German Embassy New Delhi (India)

- 01/10/2020 Team Rovernauts, 3 weeks, Leipzig (Germany)

- 01/27/2020 Korolev Meeting, Moscow (Russia)
- 01/30/2020 Youth-science Readings S.P. Korolev, 7 days, Troitsk (Russia)

- 02/08/2020 Winterworkshop for JvP-Teams in Leipzig, 3 weeks (Germany)
guestland Morocco
- 02/01/2020 Team Rovernauts, 3 weeks, Leipzig (Germany)

- 03/30/2020 Space Foundation, Colorado Springs (USA)
- 04/11/2020 Assembly workshop international Teams, 5 days, Huntsville/AL (USA)
- 04/16/2020 NASA-Roverchallenge, 3 days, Huntsville/AL (USA)
- 04/17/2020 International Team Convent, EFT-Auditotium, Huntsville/AL (USA)
- 04/21/2020 NASA-Headquarters, Washington DC (USA)
- 04/22/2020 Fieldtrip to Greenbelt, Wallops Island or Hampton VA

- 05/09/2020 Leipzig (Germany)
- 06/13/2020 JvP Summerworkshop Germany
- 09/01/2020 JvP Internships for college students in Germany
- 09/25/2020 Birthday celebration for Prof. Dr. Jesco von Puttkamer
- 10/01/2020 Exhibition in Leipzig Expocenter (one week)

... Go for 2020!

APOLLO 50+ NEXT GIANT LEAP

International TOP 3 Awards:
2007 start 2015 1st place
2010 1st place 2015 2nd place
2013 2nd place 2018 2nd place
2014 3rd place 2019 1st place

The incredible Story of JvP-supported international teams from 2007-2019 with participants from 34 countries and 7 TOP 3 awards

DAVIDSON CENTER FOR SPACE EXPLORATION

NASA HUMAN EXPLORATION ROVER CHALLENGE

LEIPZIGER MESSE

OHB

www.spaceeducation.de

"Go for 2020!" download this activity-calendar here, for XXL-prints:

PDF, 100x67 cm, 20 MB

<http://www.spaceeducation.de/container/pdf/2019/Calendar2020.pdf>

JPG, 60x40 cm, 10 MB

<http://www.spaceeducation.de/container/pdf/2019/Calendar2020.jpg>

3. The Tourprogram in details

Fotodocumentation:

<https://www.flickr.com/photos/spaceeducation/collections/72157711469232741/>

10/20/2019 Washington DC (USA)

- 70TH INTERNATIONAL ASTRONAUTICAL CONGRESS (IAC)
- Meeting at Army & Navy Club on Farragut Square, 10/22/19, 10:30h
- Buzz Aldrin presentation at Convention Center
- McKinley High School, Conference, reading, Q&A, registrations
- workshop, hands on, tips
- UDC-Team, reading, Q&A
- NASA-Headquarters, meeting with friends of Jesco von Puttkamer
- First Robotic Challenge, Haymarket VA



10/27/2019 Cuernavaca (Mexico)

- Tecnológico de Monterrey, Campus Cuernavaca,
- one week program with the Roverchallenge Team TEC
 - readings, workshop-support, task-training,
 - cultural event "El Dia de Muertos"



11/02/2019 Teotihuacan Pyramids (Mexico)



11/04/2019 Quaretrato (Mexico)

- Roch-Teams der Universidad Aeronautica in Quaretrato (UNAQ)
- Tour, director meeting
- workshop, reading, Q&A, registrations
- 2 days with Valeria Vasquez Zafra (Teamleader)



11/06/2019 - Orlando, Cape Canaveral, Cocoa Beach, KSC-VC, Blue Origin

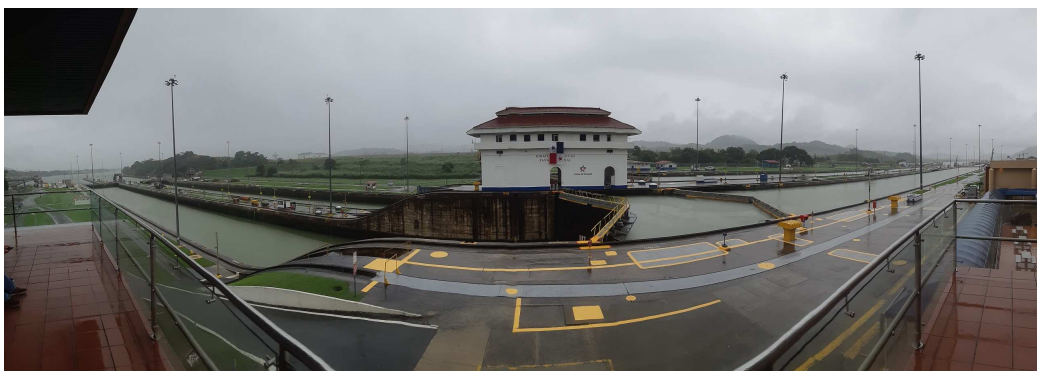


11/07/2019 - Santo Domingo (Dominican Rep)

- Instituto Tecnológico de Santo Domingo, INTEC Team Apolo 27
- Liceo Científico Salcedo, Highschool Roverteam
- workshop, reading, Q&A, registrations
- 3 days



11/10/2019 Panama City, Panama Canal, Miraflores (Panama)



11/11/2019 Rio de Janeiro (Brazil)

- City of Rio de Janeiro, Niteroi, City tour and photopoints
- University Fulminese Federal (UFF), Niteroi/Brazil
- COLÉGIO SANTA TEREZINHA
- Space Day from kindergarden, primary school to highschool
- reading, Q&A, registrations
- support in Spacetroopers-workshop
- 9 days



11/20/2019 Madrid (Spain)

- presentation in highschool Ramón y Cajal
- partner meeting Oscars warehouse for Logix5 Smart Solutions
- discussion for future international robotic youth programs



11/21/2019 Berlin (Germany)

- press conference, students- and partner meetings
- The Weinmeister Hotel, Weinmeisterstraße 2, 10178 Berlin
Tel: 030 7556670 <https://goo.gl/maps/3dAyxyLzvhR3ay1f6>



12/07/2019 Leipzig (Germany)

- Jesco von Puttkamer School
- annual sponsors- and students event (christmas celebration)
- Conference, reading, Q&A, registrations



12/23/2019 Delhi (India)

- 12/24/2019 Akshardham Temple Lasershow, Delhi (India)
- 12/25/2019 Christmas Party with students at JvP-depandance, Kurukshetra (India)
- 12/26/2019 Brahma Sarovar, Kurukshetra (India)
- 12/27/2019 Youth Space Talk - ISTC, CSIR-CSIO, Chandigarh (India)
- 12/28/2019 Youth Space Conference - 2019, NITTTR, Chandigarh (India)
- 12/29/2019 PEC - College of Kalpana Chawla, Chandigarh (India)
- 12/30/2019 Team Moon Yaan, 3 days, Kurukshetra (India)
- 12/31/2019 Youth Space Talk - Panorama, Kurukshetra (India)
- 01/02/2020 German Embassy New Delhi (India)

A poster for the Youth Space Conference 2019. The poster is dark blue with white and yellow text. It features a central image of Earth from space. The text includes the dates 27th and 28th December 2019, the venue ISTC, CSIR-CSIO, Chandigarh, and the keynote speaker Ralf Hecker. It also lists various topics such as 'Scope of Life on another Planet', 'Space Debris - Space Waste', 'Student Satellite Programs', 'Life of Astronauts', 'Space Robotics', 'Indian Space history', 'Space Settlement Idea', 'Space Launch Vehicle', 'Success of Mission Mangalyaan', and 'Life in Space - International Space Station'. There is a section for scholarships and a list of hosts and co-hosts. The poster ends with contact information and social media links.



01/10/2020 Leipzig (Germany)

- start of the exchange- and designers season
- workshops, readings, Q&A, registrations

- 01/30/2020 Moscow (Russia)
- Korolev Youth- & Science Readings in Troitsk (7 days)
- Moscow City Tour
- Meeting family Korolev
- Space-Museum-Tour
- Moscow Aviation Institute / IMBP, tour, readings, Q&A, registrations



- 02/08/2020 Winterworkshop Leipzig/Germany
- designing nonpneumatic wheels
- telemetry
- task-training
- guestland Morocco
- 03/30/2020 Colorado Springs (USA)
- 36th Space Symposium
- conference, readings, discussions, contracting
- 04/11/2020 Assembly workshop international Teams, 5 days, Huntsville/AL (USA)
- 04/16/2020 NASA-Roverchallenge, 3 days, Huntsville/AL (USA)
- All International Team Photo, 04/16/2020, 3pm
(parking lot next to Davidson Center)
- 04/17/2020 International Team Convent, EFT-Auditotium, Huntsville/AL (USA)
- EFT-Auditorium of MSFC, after 1st day NASA Roverchallenge
- 5pm-9pm conference, readings, Q&A, Pizza-Party
- 04/18/2020 Birthday Party Ralf Heckel (04/18/2020, after Award Ceremony)
- 04/20/2020 Washington DC (USA)
- VIP-Tours to two space-museums,
- meeting with colleagues of Jesco von Puttkamer at NASA-HQ
- German Consulate Washington, German-American Heritage Museum
- exchange visits with McKinley High School or UDC
- Tour to Mid Atlatic Regional Spaceport at Wallops Island
- Tour to NASA Goddard Space Center or Langley Reserach Center
- 05/09/2020 Leipzig (Germany)
- 05/09/2020 Award Ceremony and press conference for Rovernauts
- 05/10/2020 Prix de Tagot (after race competition, qualifying and fun)

- 06/13/2020 JvP Summerworkshop Germany
 - 5 weeks education program for international teams (end 07/17/2020)
 - loddging at Space Hotel Leipzig
 - work on the JvP-Campus Leipzig
 - designing a JvP-hamradio-telemetry
 - excursions, rovertraining, designing, units, cultural events
 - special for highschool student teams, teamleaders and its schools

- 09/01/2020 JvP Internships for college students in Germany
 - 3 month duration by tourist visa
 - sholarship for 4-6 students at International Space Education Institute
 - invitation after application and integrity

- 09/25/2020 Birthday celebration for Prof. Dr. Jesco von Puttkamer

- 10/01/2020 Exhibition in Leipzig Expocenter (one week)
 - NASA-Rovers at science festival
 - international teams invited
 - 1st pre-contest for **"World-Roverchallenge"**

km	100	200	300	400	500	600	700	800	900	1000	1100
1											
2											
3											
4											
5											
6											
7											
8											
9											
actual results	Km				Total km	moon	11040				
1	Team 2	1100				earth	40000				
2	Team 9	2000				earth-moon	360000				
3	Team 1	1600									
4	Team 8	2300									
5	Team 4	400									
6	Team 3	1240									
7		2000									
8		400									
9											

We are one team - worldwide range-monitoring via telemetry!

4. The people

4.1. The namesgiver Prof. Dr. Jesco von Puttkamer



Prof. Dr. Jesco von Puttkamer at the Award Ceremony 2011

Prof. Dr. Jesco von Puttkamer (*1933 Leipzig/Germany - † 2012 Alexandria/VA) worked 50 years as strategic employee at NASA (Apollo, Skylab, Space Shuttle Program, International Space Station). As an employee of NASA-Headquarters at Space Operation Mission Directorate (SOMD) he was director of the International Space Station (ISS). See under NASA.gov. Also he was a visionary, author and advisor for Star Trek.

Von Puttkamer received numerous awards during his 50 years at NASA. Among those honors was NASA's prestigious Exceptional Service Medal in 2004. In 2007, he received a NASA Honor Award for successful initiatives of advancing American-Russian cooperation in spaceflight. In December 2008, the U.S.-wide German-American Heritage Foundation in Philadelphia honored von Puttkamer with its "Distinguished German-American of the Year" award. In 2011 the Jet Propulsion Laboratory (JPL) gave his name to the asteroid "266725 Vonputtkamer".

He was awarded an honorary Doctorate for international youth work in space technologies in 1993. Since 2001 he was engaged together with his aspirant Mr. Ralf Heckel and wife to involve international youth into international space competitions (IAC, ILA, MAKS, NASA). He opened the doors and the Heckel couple and their students tried to make it successful around the globe. After von Puttkamer passed away the society and a school under his name was founded. more: https://www.nasa.gov/topics/people/features/von_puttkamer_obit.html

4.2. The Keynote Speaker Ralf Heckel



Ralf Heckel at the Amity University Noida (India), 2018

Born before Apollo 11 in 1969 Mr. Ralf Heckel is a moonchild. He grew up in East Germany and was a little inventor and tinkerer during the time in which the Soviet Union launched 8 space stations. By his 12th grade he had entered more than 150 self-made exhibits in a local fair. For him problems are not hurdles, they are challenges. So he also was active at the time of the friendly revolution and the fall of the Berlin Wall. In 1990 Heckel became popular as a trendsetter in Germany and around the globe. Since 2000 he started to manage little space cargo projects and the early private spaceflight. Von Puttkamer met him in 2001 and was able to win Heckel for the idea of global Space Education. Since 2005 both founded the International Space Education Institute (ISEI) a non-political and financially independent institution. As of today ISEI manages more than 300 space educational events per year and has invested 2.5 million Euros into those projects that Heckel leads.

Since 2010 Heckel involves international students in various high-level space and environment-technology competitions. He is the inventor of the International Team Award and the Telemetry Award at NASA. His teams are always in the TOP 10 or better. Today he is replacing Prof. Dr. Jesco von Puttkamer as the motivator for the space youth worldwide.

4.3. The Rovernauts



legendary Team Germany before racing 2019 - now renamed as Rovernauts

The Rovernauts is the former "Team Germany" at the NASA Human Exploration Roverchallenge. They are the actual weinning team for highscool division. The driver are young (15 years) and have a team-experience of 13 years, 25 sucessful competitions and 7 winning awards (1st, 2nd, 3rd places). They are the current Winning Team of 2010/2015/2019 and want to share their experiences. Ask them questions online and visit them at #rovernauts. The older team members are now space engineers, in astronaut training, teachers, scientists and engineering-business-people.

Firine Bugenhagen of the Rovernauts invented, designed and built a data-telemetry (Telerover) for hamradio frequencies what is able to use worldwide with a link into a tracking page in the internet!

5. Modules

5.1 Where do we stand?

- 15 years space education excursions to Russia
- 13 years international participation at the NASA Human Exploration Roverchallenge
- the experiences of the winning team 2019 after 24 participations with 7 titles
- international field trips to 6 different NASA Centers
- space-history and programmes in Germany
- Korolev-Readings for youth and space education programs in Russia
- international networking and activities

5.2. Where are we going?

- Back to the moon - who is doing what?
- Private spaceflight - your ticket into space?
- Planetary mining - the smart answer to save our planet?
- International space education activities - what is available, what is in preparation?

5.3. Hands-on-activities for students at the tour

- assembly of a differential gear for a NASA Rover (handycraft-educational set)
- build and design a "Minirover" (handycraft-educational set)
- work with a complex 3D-CAD-Drawing (2000 parts, ISEI/NASA Rover)
- "Telerover 2.0"

5.4. Questions, Answers & Tips

You need answers and tips for following questions:

- How to start a design?
- How to improve construction?
- How to collect funds for international competitions?
- How to manage a team?
- How I can join the space industry?

.... and many more? You only need to ask!

6. programmes & events

6.1. "World Roverchallenge - with a Rover to the Moon"

(multinational JvP training-support for national and international teams)

A hamradio-telemetry (Telerover 2.0), assembled at the upcoming JvP-Summerworkshops in Germany is the heart of participating teams. A central computer records all training-activities worldwide and links this with a reporting website. Here all participating teams are able to log their distances, speed-profiles and GPS-profiles. Also they are able to share their photos and reports.

prototype: <https://aprs.fi/#!call=a%2FDO4LRV-9&timerange=3600&tail=3600>

Every year at end of summer we share prizes for:

- the longest driven distances,
- the most active altitude profile,
- the best reports,
- the best uploaded photos,
- the most crossed national borders
- the best extraenergy concept
- the first who crosses a cumulative circumference of any moon of our solar system
- the first who crosses a cumulative circumference of any planet of our solar system
- the first who crosses a cumulative distance between earth and moon

We also invite to a special green-energy challenge with carbon dioxide free- and nuclear free power. Participating teams may write a 10-pages application with the idea to use exhausting- and radiation free use of energy to power their rover during the recorded trainings (pedelec-technology with human power+extraenergy).

6.2. Korolev-Youth-Science-Readings in Russia 2020

time: 01/30/2020 - 02/03/2020

ages: 8-16

6.3. Space Camp 2020 - JvP-Mission 2

time: 04/12/2020 - 04/17/2020

ages: 12-14

6.4. Jesco von Puttkamer International Team Convent @ NASA Roverchallenge 2020

time: Friday 04/17/2020; 05:00 PM include readings and Pizza-Party
Thursday 04/16/2020, 03:00 PM: all-international team photo

6.5. NASA-Center Fieldtrip 2020 along U.S. east coast

time: 04/20/2020 - 04/27/2020

ages: 12-24

6.6. Summercamp Germany 2020

time: 06/15/2020 - 07/19/2020

ages: 12-24

6.7. JvP Internships for college students in Germany

(durations max. 3 months, ages 12-24)

- 3 month duration by tourist visa

- scholarship for 4-6 students at International Space Education Institute

- invitation after application and integrity

6.8. Space Education Readings Tour program 2020

international science tour, fall 2020



JvP-NASA-fieldtrip, here at Stennis Space Center

Flight Schedule 1

Berlin	SFX	10/20/2019	14:05	FI 529	03:35h	Icelandair
Reykjavik	KEF	10/20/2019	15:40	FI 529	(01:10h)	
Reykjavik	KEF	10/20/2019	16:50	FI 645	06:15h	Icelandair
Washington	IAD	10/20/2019	19:50	FI 645		
7 days program in Washington DC						

Washington	IAD	10/27/2019	16:15	AV 583	04:37h	Avianca
San Salvador	SAL	10/27/2019	18:52	AV 583	(01:04h)	
San Salvador	SAL	10/27/2019	19:56	AV 432	02:19h	Avianca
Mexico	MEX	10/27/2019	22:15	AV 432		
9 days program in Mexico						

Mexico	MEX	11/03/2019	08:05	Y4980	02:18h	Volaris
Orlando	MCO	11/03/2019	12:23	Y4980	(07:52h)	
Orlando	MCO	11/03/2019	20:15	NK1049	02:43h	Spirit Airlines
Santo Domingo	SDQ	11/03/2019	23:49	NK1049		
3 days program in Dominican Republic						

Santo Domingo	SDQ	11/10/2019	08:33	CM 267	02:39h	Copa
Panama City	PTY	11/10/2019	10:12	CM 267	(05:00h)	
Panama City	PTY	11/10/2019	15:16	CM 873	07:02h	Copa
Rio de Janeiro	GIG	11/11/2019	00:25	CM 873		
9 days program in Brazil						

Rio de Janeiro	GIG	11/19/2019	20:05	IB 6024	09:05h	Iberia Air
Madrid	MAD	11/20/2019	10:10	IB 6024		
1 day program in Spain						

Madrid	MAD	11/21/2019	08:40	IB 3676	03:05h	Iberia Air
Berlin	MAD	11/21/2019	11:45	IB 3676	32 days in Germany	

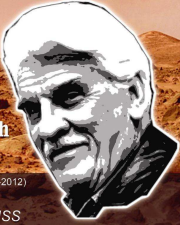
Leipzig	LEJ	12/23/2019	11:25 TK 1338	03:10h	Turkish Airl
Istanbul	IST	12/23/2019	16:35 TK 1338	04:20h	
Istanbul	IST	12/23/2019	20:50 TK 0716	05:05h	Turkish Airl
Delhi	DEL	12/24/2019	05:15 TK 0716	11 days in India	

Delhi	DEL	01/03/2020	06:55 TK 0717	05:05h	Turkish Airl
Istanbul	IST	01/03/2020	11:30 TK 0717	04:30h	
Istanbul	IST	01/03/2020	16:00 TK 1339	03:10h	Turkish Airl
Leipzig	LEJ	01/03/2020	17:10 TK 1339	26 days in Germany	

contacts

Jesco von Puttkamer Society
Jesco von Puttkamer Gesellschaft e.V./ Общество Йеско фон Путткамера
- human resources network for space-industry, teacher and educational institutions -

**"A country without vision
has a youth with no prospects
and a country with a prospect lacking youth
has no life-enhancing future!"**



in honor for the friend and advisor Prof. Dr. h.c. Ing. Freiherr Jesco von Puttkamer (1933-2012)
engineer-author-visionary, NASA-employee 1962-2012
Apollo, ASTP, Skylab, Star-Trek, SpaceShuttle, director of ISS
founder of the international spaceeducation for the new century

JvP-School: Wurzner Str. 4, 04315 Leipzig GER, with dependances in 30 countries
Whatsapp: +49 172 7949 375
email: ralf.heckel@jvputtkamer.com
asteroid-belt: 266725 Vonputtkamer
Facebook: #jvpsociety / #ralfheckel1

Ralf Heckel
(CEO)

International Space Education Institute
Институт Международного Космического Образование (est. 2005)

gemeinnütziges freies Institut zur Förderung der Studien- und Berufsorientierung im Ingenieurwesen und der Luft- und Raumfahrt e.V.
charitable free institute to support the study- and occupational orientation in engineer's being and aerospace industries (registered association)
общественно полезный свободный институт к содействию исследований и профессиональной ориентации в инженерии, авиации и космической полете (зарегистрированный союз)

Adress: Wurzner Str. 4, 04315 Leipzig/Germany
Youtube: spaceeducation
Facebook: #International.Space.Education.Institute
URL: www.SpaceEducation.de

Winning Teams at NASA Roverchallenge
2010, 2013, 2014, 2015, 2015, 2018, 2019
250-300 international STEM-activities per year



cell: +49 172 7949 375 (Whatsapp/Telegram)
email: ralf.heckel@spaceeducation.de
Facebook: #ralfheckel1
Instagram/Twitter

Ralf Heckel
(principal)

Ralf Heckel,
CEO/Vorsitzender

SMS/WhatsApp: +49-(0)172-7949375
Facebook: <https://www.facebook.com/ralf.heckel1>
email: ralf.heckel@spaceeducation.de

Jesco von Puttkamer Schule
Campus & Space Hotel

in freier Trägerschaft von / in free enterprise of:
International Space Education Institute
- gemeinnütziges freies Institut zur Förderung der Studien- und Berufsorientierung im Ingenieurwesen und der Luft- und Raumfahrt e.V.
- charitable free institute to support the study- and occupational orientation in engineer's being and aerospace industries (registered association)

Wurzner Str. 4; D-04315 Leipzig; Germany Tel: +49 (0) 341-68139-86
Amtsgericht Leipzig VR 4401
www.spaceeducation.de, www.spaceeducation.eu

Mitglied der / member of: Jesco von Puttkamer Society
Sponsor for: Jesco von Puttkamer International Team Award / NASA Roverchallenge
Botschafter / ambassador: US-Space Camp