

## Monday, December 02

18:30–19:00	Registration
19:00–23:00	Welcome reception



## Tuesday, December 03

09:00–09:30	<b>Registration</b>		
09:30–09:30	<b>Opening workshop and Welcome notes</b>		
09:30–09:35		<b>Rene Hudec</b>	Welcome
09:35–09:50		<b>Ondřej Šváb</b>	Ministry of Transport: Space Activities in the Czech Republic
09:50–10:00		<b>Michal Kuneš</b>	ESA BIC Prague: space applications
10:00–10:10		<b>Vladimir Karas</b>	Welcome and Introduction of Astronomical Institute
10:10–10:30		<b>Rene Hudec</b>	AXRO 2019 Introduction and Historical Background
10:30–10:45	<b>Coffee break</b>		

### Session chair: Roman Krivonos

10:45–11:05	<b>AST</b>	<b>Vladimir Karas</b>	Acceleration of electrically charged particles along an escape corridor from an accretion disk
11:05–11:30	<b>AST</b>	<b>Michal Zajacek</b>	Motion of hot spots in the magnetosphere of the Galactic centre supermassive black hole (Sgr A*)
11:30–11:55	<b>AST</b>	<b>Jiří Kovář</b>	Levitating accretion discs – basic imitation by charged fluids circulation
11:55–13:15	<b>Lunch</b>		

### Session chair: Charly Feldman

13:15–13:35	<b>AST</b>	<b>Roman Krivonos</b>	The ART-XC telescope on-board SRG
13:35–14:15	<b>MIS</b>	<b>Peter Predehl</b>	The X-ray telescope eROSITA on the Russian/German space mission SRG
14:15–15:30	<b>Coffee break + Poster Session</b>		

### Session chair: Martin Jelínek

15:30–15:50	<b>AST</b>	<b>Maria D. Caballero-Garcia</b>	X-ray reverberation in AGN: clues onto the extended corona
15:50–16:20	<b>AST</b>	<b>Vojtech Simon</b>	Monitoring of the long-term activity of the soft X-ray transient Aquila X-1: Perspectives for THESEUS
16:30	<b>End of X-ray Astrophysics Session</b>		
16:30–19:00	<b>Free time (Individual visit of Christmas markets in downtown ;-)</b>		
19:00–21:30	<b>Dinner at "U Špirků"</b>		

## Wednesday, December 04

09:00–09:10	<b>Registration</b>		
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### Session chair: Henryk Fiedorowicz

09:10–09:35	<b>OPT</b>	<b>Frank Siewert</b>	An ultra-precise KB-focusing mirror pair for European XFEL and its characterization
09:35–10:05	<b>OPT</b>	<b>Daniele Spiga</b>	New test and calibration X-ray facilities for the ATHENA X-ray telescope
10:05–10:25	<b>OPT</b>	<b>Ladislav Pína</b>	Study of the 2nd generation of the X-ray Multi-Foil optical system for rocket experiment
10:25–10:45	<b>Coffee break</b>		

### Session chair: Frank Siewert

10:45–11:00	<b>OPT</b>	<b>Vladimír Dániel</b>	CubeSat X-ray telescope development
11:00–11:25	<b>OPT</b>	<b>Zhanshan Wang</b>	Development of X-ray imaging telescopes at IPOE
11:25–11:45	<b>OPT</b>	<b>Yanji Yang</b>	Status of X-ray Telescope onboard eXTP
11:45–12:00	<b>Coffee break</b>		

### Session chair: Vladimír Dániel

12:00–12:25	<b>OPT</b>	<b>Maxim Markevitch</b>	Imaging of warm galactic halos with a potential normal-incidence X-ray mirror
12:25–12:45	<b>OPT</b>	<b>Andrzej Bartnik</b>	EUV optical systems for laser plasma produced (LPP) radiation sources: investigation of EUV induced plasmas
12:45–13:45	<b>Lunch</b>		
14:00–23:30	<b>Conference trip + dinner (see page no. 46)</b>		

## Thursday, December 05

### Session chair: Thorsten Döhring

10:00–10:25	<b>OPT</b>	<b>Vincenzo Cotroneo</b>	Novel coatings for soft reflectivity enhancement
10:25–10:45	<b>OPT</b>	<b>Daiki Ishi</b>	Metal-coated MEMS X-ray optics using atomic layer deposition
10:45–11:00	<b>Coffee break</b>		

### Session chair: Enrico Bozzo

11:00–11:25	<b>OPT</b>	<b>Laurens Keek</b>	Stacking of mirrors for silicon pore optics
11:25–11:55	<b>OPT</b>	<b>Marcos Bavdaz</b>	Development of the ATHENA Optics
11:55–13:00	<b>Lunch</b>		

### Session chair: Vincenzo Cotroneo

13:00–13:20	<b>OPT</b>	<b>Giorgia Sironi</b>	True Hard-X and soft-gamma imaging possible with Laue lenses? Double Laue diffraction optics at work
13:20–13:40	<b>OPT</b>	<b>Ikuyuki Mitsuishi</b>	Development of space electroformed-nickel optics
13:40–14:00	<b>OPT</b>	<b>Henryk Fiedorowicz</b>	Optical coherence tomography (OCT) with the use of soft X-rays as a tool for testing X-ray optics
14:00	<b>End of X-ray Optics Session</b>		
14:00–14:20	<b>Coffee break</b>		

### Session chair: John Nousek

14:20–14:40	<b>MIS</b>	<b>Enrico Bozzo</b>	The ESA M5 mission candidate THESEUS
14:40–15:10	<b>MIS</b>	<b>Charly Feldman</b>	SMILE and Theseus - Future Lobster Eye missions
15:10–15:30	<b>MIS</b>	<b>Vladimír Tichý</b>	Silicon drift detectors and their application on XGIS instrument for the Theseus mission
15:30–16:45	<b>Coffee break + Poster Session</b>		

### Session chair: Alan Garner

16:45–17:15	<b>MIS</b>	<b>John Nousek</b>	Teaching an Old Bird New Tricks - Chasing GWs with Swift
17:15–17:40	<b>MIS</b>	<b>Charly Feldman</b>	The SVOM MXT - Initial results of the first assembled Lobster Eye Optic
18:00	<b>End of Day</b>		

## Friday, December 06

### Session chair: Peter Predehl

09:00–09:20	<b>MIS</b>	<b>Alan Garner</b>	Advancing Soft X-ray Polarimetry with REDSoX
09:20–09:40	<b>MIS</b>	<b>Zhixing Ling</b>	The developments of lobster eye telescope onboard Einstein Probe mission
09:40–10:00	<b>MIS</b>	<b>Yong Chen</b>	Status of EP-FXT
10:00–10:15	<b>Coffee break</b>		

### Session chair: Zhanshan Wang

10:15–10:40	<b>MIS</b>	<b>Gulab Dewangan</b>	AstroSat and UV/X-ray observations
10:40–11:00	<b>MIS</b>	<b>Yuichiro Ezo</b>	Light-weight X-ray telescope missions in Japan
11:00–11:20	<b>MIS</b>	<b>Yong Chen</b>	Introduction to Space High Energy Astronomy Missions of China
11:20–11:40	<b>MIS</b>	<b>Rene Hudec</b>	Imaging X-ray instruments for cubesatellites
11:40	<b>End of X-ray Missions Session</b>		
11:40–11:50		<b>Peter Predehl</b>	Concluding remarks
11:50–12:00		<b>Rene Hudec</b>	Concluding address
12:00–13:00	<b>Lunch</b>		
13:00	<b>End of workshop</b>		

Program valid on: December 03, 2019, 15:00.  
The latest version can be found at: <https://www.axro.cz>