

Sixth Advanced Arab Astrophysics School (ArAs Adv_6)
Kottamia Astronomical Observatory, Egypt
October 23-29, 2026

Arrival Friday, Oct. 23, Excursion or Departure Thursday, Oct. 29

Scientific Program

Time		DAY 1 Saturday 24 October	
8:00 - 9:00	Breakfast & Logistics		
9:00- 10:30	Registration		
10:30 – 11:30	Opening Ceremony: Chair: Prof.Hadia Selim - NRIAG President Prof. Ashraf Shaker - Astronomy Department Chair Raid M Suleiman – ArAS SfA Director Prof. Hadia Selim – SSAS Director, ArAs Adv_6 LOC/SOC Chair		
11:30 – 12 :00	Coffee Break		
<i>Chair: Prof. Prof. Gamal Eldin Hamed</i>			
12:00 –13:00	Compact Stars		Prof. Mohamed Nouh
13:00 - 14:30	Compact Stars		Prof. Mohamed Nouh
14:30 – 16:00	Lunch		
<i>Chair: Prof. Prof. Hadia Selim</i>			
16:00 – 17:00	Compact objects in Binaries		Prof. Gamal Eldin Hamed
17:00 - 18:00	Q&A Session -		Prof. Gamal Eldin Hamed
18:00 – 19:00	Dinner		
19:00 – 20:00	Observations using Kottamia telescope	Team	
20:00 – 23:00	Observations using Kottamia telescope	Team	

Time		DAY 2 Sunday 25 October	
8:00 – 9:00	Breakfast		
<i>Chair: Prof.</i> Prof. Raid M Suleiman			
9:00 – 10:00	Current topics in cosmology: concepts and tensions I Prof. David Valls-Gabaud		
10:00 - 11:00	Hot plasma in stellar coronae		Prof.Vinay Kashyap
11:00 – 11:30	<i>Coffee Break.</i>		
11:30 – 13:00	X-ray binaries Part I - Study of massive hot companion - Dr. Brankica Kubátová		
13:00 - 14:00	Basics of Astrostatistics and Machine Learning		Prof. Vinay Kashyap
14:00 – 16:00	<i>Lunch</i>		
<i>Chair: Prof.</i> Prof. Raid M Suleiman			
16:00 – 17:30	X-ray binaries Part II - Study of the compact object - Dr. Shilpa Sarkar		
17:30 – 18:30	Current topics in cosmology: concepts and tensions II Prof. David Valls-Gabaud		
18:30 – 19:30	<i>Dinner</i>		
19:30 – 21:00	Group Work		Prof. David Valls-Gabaud

Time		DAY 3 Monday 26 October	
8:00 – 9:00		Breakfast	
<i>Chair</i>	Prof.Vinay Kashyap		
9:00 – 10:00	General Relativity	Prof. Raid M Suleiman	
10:00 – 11:00	General Relativity	Prof. Raid M Suleiman	
11:00 – 11:30	Coffee Break		
11:300 – 13:00	Physics of Black Holes	Prof. Raid M Suleiman	
13:00 – 14:30	Observation of Black Holes	Prof. Raid M Suleiman	
14:30 – 16:00	Lunch		
<i>Chair: Prof. ...</i> Prof.Vinay Kashyap			
16:00 – 17:00	Black Hole Research using Mathematica	Prof. Raid M Suleiman	
17:00 – 18:00	Black Hole Research using Mathematica	Prof. Raid M Suleiman	
18:00 – 19:00	Q&A Session	Prof. Raid M Suleiman	
19:00 – 20:30	Dinner		
20:30 – 23:00	Observations using Kottamiatelescope	Team	

Time		DAY 4 Tuesday 27 October
8:00 – 9:00	Breakfast	
<i>Chair: Prof. ...</i> Prof. Róbert Szabó		
09:00 – 10:00	The Releam of Galaxies Part I	Prof. Ashraf Shaker
10:00 – 11:00	X-ray Emission from Massive Binary Stars: The Case of Be/X-ray Systems	Prof. Ahmed Shokry Elshaer
11:00 – 11:30	Coffee Break	
11:30 – 12:30	European Space Agency's high-energy and cosmology space telescopes	Prof. Róbert Szabó
12:30 – 13:30	The Releam of Galaxies Part II	Prof. Ashraf Shaker
13:30-14:30	Q&A Session	Prof. Ashraf Shaker
14:30 - 16:00	Lunch	
<i>Chair: Prof.</i> Prof. Róbert Szabó		
16:00 – 17:00	From Microgrid Stability to the Stars: How Electrical Engineers Power Astronomical Instruments	Dr. Doaa Mohammed Eid
17:00 – 18:00		Prof. Antonella Fruscione
18:00 – 19:00		Prof. Garrett Keating
19:00 – 20:00	Dinner	
20:00 – 23:00	Work Groups	

Time		DAY 5 Wednesday 28 October
8:00 – 9:00	Breakfast	
<i>Chair: Prof. Prof. Raid M Suleiman</i>		
9:00 – 10:00	Massive stars and X-ray sources in star clusters <i>Prof. Yasser Hendy</i>	
<i>Chair: Prof. Prof. Raid M Suleiman , Prof..Vinay Kashyap , Prof. Róbert Szabó and Prof. Hadia Selim</i>		
10:00-11:00	Poster Session I: How to present your results in a scientific paper	
11:00 – 11:30	<i>Coffee Break</i>	
<i>Chair: Prof. Prof. Raid M Suleiman , Prof..Vinay Kashyap , Prof. Róbert Szabó and Prof. Hadia Selim</i>		
11:00 – 14:30	Poster Session II : How to present your results in a scientific paper	
14:30 – 16:00	<i>Lunch</i>	
16:00 – 18:00	<i>Closing Ceremony & Certificates</i>	
18:00 – 21:00	<i>Dinner</i>	

Thursday 29 October	
<i>Excursion or Departure</i>	