

Sixth ArAS School of Astrophysics (ArAS SFA-6)
Qatar University, Qatar
March 12-18, 2022

Day 0
Saturday March 12

Arrival Day

Time	DAY 1 Sunday 13 March
09:00 - 11:00	Registration - Logistics (Place : Katara)
11:00 – 12:00	Chair: LOC Chair Opening Ceremony: <ul style="list-style-type: none"> - President of Qatar University - President of Students Activities - President of College of Science & Art - President of Astronomy club / Qatar University Alumni Zouhair Benkhaldoun – ArAS President Raid M Suleiman – ArAS SfA Director, SOC Chair Gad Qadi – NRIAG President Debra Meloy Elmegreen - IAU President
12:00 – 13:00	Opening lecture : تاريخ علم الفلك وتطوره في العالم العربي Ashraf Shaker - National Research Institute of Astronomy and Geophysics- Egypt
13:00 – 14:30	Lunch
Chairman: Dana Al-Abdulmalik - (Place : Qatar University)	
14:30 – 15:30	Gravity: Beyond General Theory of Relativity Khalil Shaban - Center for Fundamental Physics, Zewail City of Science and Technology- Egypt
15:30 – 16:30	The Role of Astronomical Sciences in Building Modern Egypt Ashraf Shaker - National Research Institute of Astronomy and Geophysics- Egypt
16:30 – 17:00	Discussion
18:00 – 19:30	Astrophotography - Practical Session Maroun Habib - Notre Dame University (NDU) - Lebanon
19:30 – 21:30	Dinner

Time	DAY 2 Monday 14 March
Chairman: Mohammad Gharaibeh	
09:00 – 10:00	Exoplanets - Life outside our Solar system Rim Fares - United Arab Emirates University - UAE
10:00 – 11:00	How do we detect Exoplanets? RV and Photometry techniques and limitations Zouhair Benkhaldoun - Oukaïmeden Observatory, Cadi Ayyad University - Morocco
11:00 – 11:30	Coffee break
12:30 – 13:30	There's no place like home: Placing Earth in its astronomical and geological contexts Raphaëlle Haywood - University of Exeter - United Kingdom
13:30 – 14:30	Lunch
14:30 – 15:30	Students presentations - Part I
15:30 – 16:30	New Instrumentations for Exoplanets Andy Szentgyorgyi - Center for Astrophysics Harvard & Smithsonian - USA
16:30 – 17:00	Discussion
17:00 – 19:30	Social activities
19:30 – 21:30	Dinner

Time	DAY 3 Tuesday 15 March
<i>Chairman: Abouzeid Shalaby</i>	
09:00 – 10:00	Data Analysis Exoplanets - Part I Zouhair Benkhaldoun - Oukaimeden Observatory, Cadi Ayyad University - Morocco & Rim Fares - United Arab Emirates University - UAE
10:00 – 11:00	Data Analysis Exoplanets - Part II Zouhair Benkhaldoun & Mourad Ghachoui - Oukaimeden Observatory, Cadi Ayyad University - Morocco
11:00 – 11:30	Coffee break
11:30 – 13:00	Data Analysis Exoplanets - Part III Zouhair Benkhaldoun & Mourad Ghachoui - Oukaimeden Observatory, Cadi Ayyad University - Morocco
13:00 – 14:00	Lunch
14:00 – 15:30	Asteroid Detections Hassane Darhmaoui - Al-Akhawayn University, Morocco
15:30 – 16:00	Discussion
17:00 – 18:30	Social activities
18:30 – 19:30	Public lecture at Qatar National Library - The Universe in 45 minutes - Raid M Suleiman - Center for Astrophysics Harvard & Smithsonian - USA
19:30 – 21:30	Dinner

Time	DAY 4 Wednesday 16 March
<i>Chairman: Ashraf Shaker</i>	
09:00 – 10:00	Introduction to Space Weather Fahd Zaman - Kuwait University - Kuwait
10:00 – 11:00	Effects of Space Weather on Missions to the Moon and Mars Fahd Zaman - Kuwait University - Kuwait
11:00 – 11:30	Coffee break
11:30 – 12:30	Space Weather - Practical Session I Fahd Zaman - Kuwait University - Kuwait
12:30 – 13:00	Students Presentations part II
13:00 – 14:00	Lunch
14:00 – 15:00	Photoionization of Ions of Astrophysical Interest Mohammad Fareed Gharaibeh - Qatar University - Qatar
15:00 – 16:00	<i>Students Competition</i>
16:00 – 19:30	<i>Social Activity</i>
19:30 – 21:30	Dinner

Time	DAY 5 Thursday 17 March
<i>Chairman: Zouhair Benkhaldoun</i>	
09:00 – 10:00	Space Weather (Kuwait experience) Hala Al-Jassar - Kuwait University - Kuwait
10:00 – 11:00	Space Weather Center Raid Suleiman - Center for Astrophysics Harvard & Smithsonian - USA & Siham Kalli - Mohamed Boudiaf University- M'sila - Algeria
11:00 – 11:30	Coffee break
11:30 – 13:00	Space Weather - Practical Session & Discussion Hala Al-Jassar - Kuwait University - Kuwait Raid Suleiman - Center for Astrophysics Harvard & Smithsonian - USA & Siham Kalli - Mohamed Boudiaf University- M'sila - Algeria
13:00 – 14:00	Space Weather Kazuoki Munakata - Shinshu University - Japan
14:00 – 15:00	Lunch
15:00 – 16:00	Feedback and Discussion
16:00 – 18:30	Closing Ceremony - Katara
18:30 – 21:30	Dinner & Night observation

DAY 6

Friday 18 March

Departure Day