

11th EGY Plasma School

Diamond Blue Resort
Port Said – Egypt
4 – 7 April 2026



Prof. Dr. Waleed Moslem
Port Said University
The British University in Egypt

Prof. Dr. Amr El-Zant
The British University in Egypt

Prof. Dr. Ibrahim Elkamash
Mansoura University
The British University in Egypt

Day 1: Saturday, 4 April 2026

Time	Program	Speaker
07:00 – 09:00	Breakfast	
09:00 – 09:30	Opening	Waleed Moslem
09.30 – 11:00	Plasma theory	Ibrahem Elkamash
11:00 – 12:00	Nature's secrets: the pathway to plasma	Waleed Moslem
12:00 – 01:00	Coffee break	
01:00 – 02:00	Plasma theory – Part 2	Ibrahem Elkamash
02:00 – 03:00	Nature's secrets: the pathway to plasma – Part 2	Waleed Moslem
03:00 – 05:00	Lunch	
05:00 – 07:00	Group Work	EGYPlasma Team
07:00 – 10:00	Open Discussion	

Day 2: Sunday, 5 April 2026

Time	Program	Speaker
07:00 – 09:00	Breakfast	
09:00 – 10:00	Plasma models	Ibrahem Elkamash
10:00 – 11:00	Collisional processes in ionospheric plasmas: basic concepts	Mourad Djebli
11:00 – 12:00	Femtosecond laser-induced plasma for semiconductors applications	Adel Shabban
12:00 – 01:00	Coffee break	
01:00 – 02:00	Quantum plasma and its applications	Nora Elshafeay
02:00 – 03:00	Technical plasma	Mohamed Shihab
03:00 – 05:00	Lunch	
05:00 – 07:00	Group Work	EGYPlasma Team
07:00 – 10:00	Open Discussion	

Day 3: Monday, 6 April 2026

Time	Program	Speaker
07:00 – 09:00	Breakfast	
09:00 – 10:00	Scale-invariant phenomena in plasma	Ibrahim Elkamash
10:00 – 11:00	Initiating plasma simulation	Mohamed Shihab
11:00 – 12:00	Dusty plasma	Waleed Moslem
12:00 – 01:00	Coffee break	
01:00 – 02:00	Collisional processes in ionospheric plasmas: advanced concepts	Mourad Djebli
02:00 – 03:00	Fluctuations and relaxation in gravitational systems (and plasmas)	Amr El-Zant
03:00 – 05:00	Lunch	
05:00 – 08:00	Group Work	EGYPlasma Team
07:00 – 10:00	Open Discussion	

Day 4: Tuesday, 30 April 2026

Time	Program	Speaker
07:00 – 09:00	Breakfast	
09:00 – 09:30	Introduction to scientific research	Waleed Moslem
09:30 – 10:00	Proposed framework for the optimization of laser-induced plasma ...	Anes Boutahra
10:00 – 10:30	Calculation of the E1 transition probability induced by ...	Oussama Belabid
10:30 – 11:00	Enhancing fusion efficiency through electromagnetic field manipulation	Moharam Abduekhalek
11:00 – 11:30	Cold atmospheric plasma in oncology: physical mechanisms ...	Zeinab Mohamed
11:30 – 12:00	Space plasma physics	Rania Madkour
12:00 – 01:00	Coffee break	
01:00 – 01:30	Nanostructure formation on sapphire by highly charged xenon irradiation	Ahmed & Menna
01:30 – 02:00	Seasonal variability of aerosol optical depth over urban and ...	Ahmed & Basant
02:00 – 02:15	Announcement of winners & Closing remarks	Waleed Moslem

