

EGY Plasma s c h o o l

6th SPSP

6th Spring Plasma School at Port Said

Port Said, Egypt on 3–5 April 2021



Prof. Dr. Waleed Moslem

The British University in Egypt
Port Said University

Prof. Dr. Amr El-Zant

The British University in Egypt

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LECTURES TABLE

Saturday

3 April 2021

Opening & Introduction

Time	Title	Speaker
12:00 – 02:00:	Registration and check-in rooms	
02:00 – 03:30	Lunch	
03:30 – 04:00	Opening	Waleed Moslem
04:00 – 05:00	Introduction to plasma physics	Mohamed Shihab
05:00 – 07:00	Ice breaking & General experiments	
07:00 – 09:00	Open discussion	
09:00 – 10:00	Dinner	

Sunday

4 April 2021

Basic Concepts & Plasma Applications

Time	Title	Speaker
07:00 – 09:00	Breakfast	
09:00 – 10:00	Plasma sources	Mahmoud Afify
10:00 – 11:00	Plasma models	Ibraheem Elkamash
11:00 – 12:00	Spacecraft plasma environmental interaction	Yehia Abd El-Aziz
12:00 – 12:30	Coffee break	
12:30 – 01:30	Advanced technologies of plasma propulsion	Mohamed Abd Al-Halim
01:30 – 02:30	Dusty plasma	Waleed Moslem
02:30 – 03:30	Plasma and cosmology	Amr El-Zant
03:30 – 05:00	Lunch	
05:00 – 07:00	Group work	
07:00 – 09:00	Open discussion	
09:00 – 10:00	Dinner	

Monday
5 April 2021

Plasma Applications & The 3rd One Day Plasma Conference

Time	Title	Speaker
07:00 – 09:00	Breakfast	
09:00 – 10:00	Waves in plasma	Ibraheem Elkamash
10:00 – 11:00	Cold plasma from laboratories to applications	Tarek Allam
11:00 – 12:00	The cutting edge of plasma physics	Mahmoud Afify
12:00 – 12:30	Coffee break	
12:30 – 01:00	On the propagation of electrostatic wave modes in the inhomogeneous ionospheric plasma of Venus	Alaa Fayad
01:00 – 01:30	Ionospheric losses of Venus in the solar wind	Hania Azaam
01:30 – 02:00	Electrostatic ion-acoustic waves at plasma environment of lower ionosphere of Venus	Faisal Sayed
02:00 – 02:30	Fully nonlinear ion-acoustic solitary waves in a plasma with positive-negative ions and nonthermal electrons	Hala Elgohary
02:30 – 03:00	Soliton waves in radiofrequency discharges	Aya Elbedewe
03:00 – 03:30	X-Ray Thomson scattering for non-homogeneous and non-equilibrium dense plasmas	Yasmeen Adel
03:30 – 05:00	Lunch	
05:00 – 06:00	Scientific publications	Waleed Moslem
06:00 – 07:00	Round table discussions with the speakers	
07:00 – 09:00	Free Time	
09:00 – 10:00	Dinner	