

# AUA-Universiti Malaya Overseas Study Program

20th - 26th August 2023  
Universiti Malaya, Malaysia

*"Shaping A Sustainable Future  
Through the Application of  
Knowledge-based Smart Materials"*





# Day 1- 3

## 20th Aug 23 - 22 Aug 23

### 20<sup>th</sup> Aug 2023 (Sunday)

Time	Department of Physics
15.00-20.00	Arrival of Delegates & Hostel Check-in

### 21<sup>st</sup> Aug 2023 (Monday)

Time	BSFA/B or DKF
8.30-9.30	REGISTRATION
9.00-9.30 9.30 - 10.30 10.30 – 11.00	SE2023 UM-AUA OPENING Ice Breaking session – Grouping of delegates. Tea Break
11.00 – 13.00	<b>Seminar</b> “Revolutionizing Sustainability: Harnessing the Power of Knowledge-based Smart Materials for a Sustainable Future.” 1. Prof Dr Ramesh Subramaniam 2. Mentor 2
13.00-14.00	LUNCH
14.00-15.30	<b>FORUM:</b> Venue: DKF How can public, alumni, academia, entrepreneurs, agencies and industries empower sustainable energy in shaping a better future?
15.30-16.15	<b>Module: Smart Materials for a Sustainable Future</b> 1. Introduction to Smart Materials and Sustainable Future 2. Fundamentals of Knowledge-based Smart Materials

### 22<sup>nd</sup> Aug 2023 (Tuesday)

Time	BFS-A/B
9.00 - 12.30	<b>Module: Smart Materials for a Sustainable Future</b> 1. Applications of Smart Materials in Energy and Environment 2. Sustainable Design and Manufacturing with Smart Materials 3. Future Perspectives and Project Briefing
12.45-14.00	LUNCH
14.00-18.00	<b>Interactive Workshops 1: Exploring Smart Materials for Sustainable Solutions</b>



# Day 4-7

## 23th Aug 23 - 26 Aug 23

### 23<sup>rd</sup> Aug 2023 (Wednesday) - Activities in Low Dimensional Materials Research Center

Time	LDMRC
09:00 - 09:30	Opening Remarks by Director of LDMRC
09:30 - 10:00	Talk 1: Nanotechnology and Quantum Technology
10:00 - 11:00	Talk 2: Career as Material Scientist
11:00 - 12:00	LDMRC Tour
<b>12.45-14.00</b>	<b>LUNCH</b>
14:00 - 16:30	Hands-on Session
16:30-17:30	Students Presentation & Closing Ceremony

### 24<sup>th</sup> Aug 2023 (Thursday)

Time	BFS-A/B/DKF
08.30 - 13.00	<i>Interactive Workshops 2: Exploring Smart Materials for Sustainable Solutions</i>
<b>12.45-14.00</b>	<b>LUNCH</b>
14.00-18.00	<i>Interactive Workshops 3: Exploring Smart Materials for Sustainable solutions</i>
<b>19.00-22.00</b>	<b>Group Dinner</b>

### 25<sup>th</sup> Aug 2023 (Friday)

Time	BFS-A/B/DKF
08.30-11.00	Project Presentation & Wrap up
11.00-12.30	Closing ceremony
<b>12.45-14.00</b>	<b>LUNCH</b>
14.00-18.00	Excursion <i>Museums &amp; places of interest</i>

### 26<sup>th</sup> Aug 2023 (Saturday)

Time	BFS-A/B/DKF
08.30-11.00	Hostel Check-out and departure

*\*\*The End\*\**