

**The 3<sup>rd</sup> LinkSCEEM-SESAME summer school, 8-10 Sept. 2013.**

First Day 8, September	9:00 AM	Registration Desk Open & Coffee break	
		<b>Opening Session (Welcome address)</b>	
	<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	9:30 AM	Opening Session + School Objectives	Salman Matalgah (SESAME)
		<b>Sessions</b>	
	<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
	10:00 AM	Introduction to LinkSCEEM	Mostafa Zoubi (SESAME)
	10:40 AM	Introduction to SESAME + SR Applications +Scientific Program	Dr. Messaoud Harfouche (SESAME)
	11:30 AM	Density functional theory: A powerful tool of computational Material science	Prof. Bothina Hamad
	12:45 PM	<b>Lunch</b>	
	2:00 PM	Synchrotron applications - Tomography at ESRF	Dr. Vincent FERNANDEZ (ESRF )
	3:00 AM	EMTO method and applications to high-technology alloys	Prof. Levente Vitos (Uppsala University, Sweden)
	3:45 PM	UoJ presentation	Prof. Qing-Miao Hu
	4:30 PM	<b>End of the first day</b>	
Second Day 9, September	9:00 AM	<b>Jointly session on How to connect to LinkSCEEM Resources by Salman Matalgah and Mostafa Zoubi ( SESAME )</b>	
		<b>Parallel session - Morning Sessions</b>	
	<b>Time</b>	<b>Session A - DFT Topic</b>	<b>Session B - SR Topic</b>
	10:00 AM	DFT implementation in Quantum Espresso by Dr. Ihsan Erikat ( UoJ)	Tomography from data collection to Processing by Vincent FERNANDEZ on ESRF
	11:00 AM	<b>Coffee break</b>	
	11:20 AM	Hands-on Practical Session on Quantum Espresso by ( UoJ)	Tomography from data collection to Processing by Vincent FERNANDEZ on ESRF
	1:00 PM	<b>Lunch</b>	
		<b>Afternoon Sessions</b>	
	2:00 PM	Hands-on Practical Session on Quantum Espresso ( UoJ)	SR Applications by Zubair Nawaz (LinkSCEEM on WP12)
	4:00 PM	<b>Coffee break</b>	
	4:20 PM	Hands-on Practical Session on Quantum Espresso ( UoJ)	Hands-on Session and Coding ( Serial + Parallel ) at SR by Zubair Nawaz (LinkSCEEM)
	6:00 PM	<b>End of the the 2nd Day</b>	
Third Day 10, September		<b>Parallel session Morning Sessions</b>	
	<b>Time</b>	<b>Session A Continue - DFT</b>	<b>Session B Continue - SR</b>
	9:00 AM	DFT implementation in ABINIT by Dr. Riad Shaltaf ( UoJ)	XANES and EXAFS data analysis, using IFEFFIT software, for atomic structural behavior- by Messaoud Harfouche
	10:30 AM	<b>Coffee break</b>	
	11:00 AM	Hands-on Practical Session on ABINIT ( UoJ)	Continue - XANES and EXAFS
	12:00 PM	<b>Lunch</b>	
	1:00 PM	<b>SESAME machine and Labs visit</b>	
	1:30 PM	<b>Jointly session- selective user talk (three selective talks, 10 Minutes for each one)</b>	
	2:00 PM	<b>Final Session, closing remarks and evaluation</b>	
	2:30 PM	<b>End of the the 3rd LinkSCEEM-SESAME summer school</b>	