

First JoSTA Conference
“Employing Science and Technology and Innovation for Economic Development”
Marriott Hotel Amman 13 August 2015

1) 12/8/2015: Pre Conference Parallel Workshops

Time	Energy & ICT (Chairman: Dr. Fawwaz Elkarmi)	Time	Health & Environment (Chairman: Dr. Mohammad Saidam)
09:30 – 10:00	Registration	09:30 – 10:00	Registration
10:00 – 10:20	- Conversion of Biomass Feedstock to Biofuels in Jordan Technical and Economic Study <i>Dr. Mohammad Al-Shannag/JU</i> <i>Dr. Malek Alkasrawi/ University of Wisconsin</i>	10:00 – 10:20	- A Genome Wide Association Study for Type2 Diabetes Susceptibility Gene and Treatment in Jordanian Population of Arab Descent <i>Dr. Laith Al-Eitan/JUST</i> <i>Dr. Motasem Ismail/UAE</i>
10:20 – 10:40	- Enabling a Smart Campus Using Distributed Smart-Solar <i>Prof. Ahmad Harb/GJU</i> <i>Prof. Issa Batarseh/ University of Central Florida</i>	10:20 – 10:40	- Association Between Magnesium Levels and Mental and Body Well-Being in Community - Dwelling Adults and People With Neurodegenerative Disease <i>Dr. Hanan Khalil/JUST</i> <i>Prof. Nashaat AbuMaria-Fudan University/China</i>
10:40 – 11:00	- Enhanced Mid-Wave-Infrared Photo Detectors Coupled With Optical Nano Antennas <i>Dr. Ala'aldeen Al-Halhouli/ GJU</i> <i>Prof. Omar Manasreh/ Department of Electrical Engineering, University of Arkansas USA</i>	10:40 – 11:00	- Study the Interaction of Nanoparticles With Proteins <i>Dr. Diya Alsafadi /RSS</i> <i>Dr. Mayyas Remawi/ Taif University/KSA</i>
11:00 - 11:15	Coffee Break	11:00 - 11:15	Coffee Break
11:15 - 11:35	- Smart Amman: Leveraging IoT Capabilities to Build Amman Smart City <i>Dr. Mwaffaq Otoom/YU</i> <i>Dr. Samir Al-Rawashdeh/University of Michigan Dearborn</i>	11:15 - 11:35	- Development of A Traumatic-Brain Injury Neuroprotective Natural Product Using Selected Jordanian Plant Extracts <i>Prof. Karem Alzoubi/JUST</i> <i>Dr.Hibah Awwad/Faculty of Pharmacy University of Oklahoma</i>
11:35 – 11:55	- High Data Rate Wireless Communication System Through Light <i>Dr. Mohammed Aqlah/YU</i> <i>Dr. Raed Mesleh/ Tabouk university/KSA</i>	11:35 – 11:55	- A Feasibility Study of Intelligent Personalised Physiotherapy Approaches for People With Multiple Sclerosis <i>Dr. Hanan Khalil/JUST</i> <i>Dr. Mohammad Al-Amri/ Cardiff University-UK</i>
11:55 – 12:15	- Alzheimer’s Nutrition Assistant and Alert System <i>Dr. Emad Awada/ Applied Science Private University</i> <i>Dr. Ikhlas Abdul-Qader/ Western Michigan University</i>	11:55 – 12:15	- Transcatheter Valve Therapies <i>Dr. Ziyad M.Hijazi/ Sidra Medical and Research Cente</i> <i>Dr. Imad Al-Haddad/ Private Practice Jordan Hospital</i>
12:15 - 12:35	- Impact of SMS on Improving Medication Adherence among Diabetes Mellitus Type-2 in Jordan <i>Dr. Lara Tutunji/UJ</i> <i>Dr. Fadi Mohammad Ali Alkateeb/ Texas A&M University</i>	12:15 - 12:35	- A Novel Approach for Assessing the Impacts of Metal Oxide Nano-Particles on the Physiological, Biochemical, and Ultra structural Characteristics in Tobacco Plant <i>Dr. Rami Alkhatib/JUST</i> <i>Dr. Fares Howari/ The University of Texas of the Permian Basin Zayed University</i>
12:35 -12:55	- Real Time 3D First Person View for Unmanned Systems <i>Dr. Belal Sababha/ Princess Sumaya University for Technology</i> <i>Dr. Osama AL Rawashdeh/Oakland University</i>	12:35 – 12:55	- Novel Green Sorbents for CO2 Capture and Utilization: CO2 as a Building Block for the Production of Biodegradable Polymers as Alternatives for the Replacement of Plastic Bags in Jordan <i>Dr. Ala Eftaiha/HU</i> <i>Dr. Abdussalam Qaroush/ Technische Universität München (TUM)</i>
13:00	Lunch Break	13:00	Lunch Break

2) 13/8/2015: Plenary session

Time	Activity
10:00 – 10:15	<i>JoSTA Activities and Progress/ Isam Mustafa-JoSTA Unit Manager</i>
10:15 – 10:30	<i>Benefiting From Jordanian Scientists and Technologists Abroad for Building the Capabilities of Jordanian Universities/ Dr. kamal Bani-Hani- President of Hashemite University</i>
10:30 – 10:45	<i>Benefiting From Jordanian Scientists and Technologists Abroad for Developing Jordanian Businesses/Dr. Adnan Badwan/General Manager of the Jordanian Pharmaceutical Manufacturing Co.PLC</i>
10:45 – 11:00	<i>Output of Pre Conference Workshops (Dr. Fawwaz Elkarmi and Dr. Mohammad Saidam) and Wrap Up & Next Steps By Dr.khaled ELshuraydeh-HCST .</i>
11:00 – 11:30	<i>HRH Prince El Hassan Bin Talal Directives</i>
11:30	Coffee Break