


## IEEE JEA Workshop 2017

September 12-13, 2017

**Track Name:** Photovoltaic Systems and Energy Storage

<b>Session Number</b>	4
<b>Title</b>	Photovoltaic Systems and Battery Storage
<b>Abstract</b>	<p>One serious challenge for many renewable energy systems is the variability of energy production and undesirable grid impact in many cases. Grid capacity, operational cost and energy management is very important factors that face the spread of PV and wind technologies in many countries. High PV and wind penetration in national grid networks is gaining attention of utility grid companies in many markets in the world, Battery storage is one solution. This presentation will introduce different battery storage technologies and the integration between traditional PV power plants and electrical storage; including, small hybrid systems, sizing of storage systems, types of coupling technology, energy management and cost analysis. Also, different world wide PV-storage projects will be introduced. The potential of this technology will be discussed for the Jordanian market.</p> <ul style="list-style-type: none"><li>- Solar Energy and Storage</li><li>- Battery Storage Technology</li><li>- Battery Storage Applications</li><li>- Large scale PV-Battery Storage Power Stations</li><li>- International Market Experience</li><li>- System Design and Types of Coupling</li><li>- PV – Battery Storage Projects in Jordan</li></ul>
<b>Special Requirement</b>	Projector
<b>Speaker Name</b>	<b>Dr. Iyad Muslih Alsartawi</b>
<b>Affiliation</b>	<b>Energy Services Center - USA</b>
<b>Photo</b>	
<b>Bio</b>	<p>Dr. Iyad Muslih Alsartawi has a vision in the energy sector to develop, secure, improve and increase the profitability of the renewable energy business in the Jordanian and MENA market by utilizing certified engineering techniques and provide solutions for many challenges in the renewable energy market; mainly solar Photovoltaic and storage technology.</p> <p>Dr. Iyad Alsartawi has supervised and/or directed the installation of many PV projects in Jordan. He serves as the principle energy consultant for Greater Amman Municipality in the field of PV</p>

	<p>Energy Sector. Also, he is the chair for the Energy Engineers Society /Jordan Engineers Association. He has achieved this experience by taking part in more than 100 MWp of PV systems installed/ under-construction or in tendering process in the local market for the private and public sectors. Dr. Iyad Alsartawi is an Expert Trainer in PV sector in Jordan, he trained more than 300 mechanical and electrical engineers and technicians on PV concepts and applications in practical projects on different technologies including fixed and tracking systems.</p>
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