



The 2nd EAI International Conference on Future Intelligent Vehicular Technologies
OCTOBER 17–19, 2017 | ISLAMABAD, PAKISTAN

Call for Papers

Special Session: Next Generation Photovoltaic Devices for Vehicular Technology

Outline:

Over the past few years, it has become increasingly obvious that the current technique of producing energy has no future. So, unboundedness of resources is remarkably reflected in the growing prices of gas and oil. Moreover, we are observing the primarily effects of burning fossil fuels. The increase of the ocean levels, the rise in weather extremes, and the melting of the glaciers as well as the nuclear catastrophe in Fukushima, all show that nuclear energy is not the right path to follow in future.

Luckily, there is a possible solution with which a sustainable energy supply can be guaranteed i.e., renewable energy resources. These use immeasurable sources as a basis for energy supplies and can confirm a full supply with appropriate amalgamation of different technologies such as photovoltaics, biomasses, wind power, etc. Photovoltaics has played a specific role in the number of renewable energies. It allow an emission-free conversion of sunlight into electrical energy and, because of their huge potential, it will be a significant pillar in future energy systems.

However, the changeover of our energy supply will be a big task that will only be mastered with the imagination and knowledge of engineers and technicians. The object of this session is to increase this technical knowledge in the field of photovoltaics. For this purpose it will deal with the fundamentals, technologies, practical uses and commercial framework conditions of photovoltaics.

Topics:

Topics include but are not limited to:

- Dye sensitized solar cells
- Organic solar cells
- Interfacial engineering of solar cells
- Material synthesis of organic and perovskite absorbers
- Perovskite solar cells
- Plasmonic solar cells
- Fundamental physics and photophysics
- Characterization and measurement techniques
- Scale up and commercial development
- Lifetime and device stability
- Theoretical modelling of materials and devices

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Important Dates: Full Paper Submission deadline: **1 June 2017**

Notification deadline: **31 July 2017**

Camera-ready deadline: **31 August 2017**



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