International Journal of

# Power Electronics

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## Scope of the Journal

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IJPElec is a refereed international journal which presents to the international scientific community important results of work in this field, whether in the form of modelling, simulation, analysis, fundamental research, development, application, design or real-time implementation. The scope of IJPElec is broad, encompassing all aspects of power electronics.

#### Contents

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#### **Topics covered include:**

- Advanced power semiconductor devices
- Modelling, simulation, analysis, design and implementations of the application of power circuit components (power semiconductors, inductors, high frequency transformers, capacitors)
- Inverters, converters, controlled and uncontrolled rectifiers
- Control algorithms and techniques applied to power electronics



- Electromagnetic and thermal performance of electronic power converters and inverters
- Applications in motor drives, wind energy systems, solar, battery chargers, UPS and hybrid systems

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- EMI/EMC considerations

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