



**IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS ISIE'18  
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**Special Session on**

**Advanced Modelling and Optimization Methods for Power Converters and Systems**

*Organized by*

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***Call for Papers***

Theme:

The effective and accurate modelling technique is important for analysis, optimization, and control of power electronics systems. With the rapid development of power electronics in smart grid, electric vehicle, renewable energy and the other emerging applications, higher and higher requirements have been applied to system efficiency, stability and reliability. Conventional modelling and optimization methods suffer more and more challenges and even become infeasible. Recently, various modelling and optimization methods has been developed for power converters and systems to meet the technical expectations and requirements. The main purpose and focus of this session is to identify the latest improvements in modelling and optimization techniques in power electronics and its applications.

Topics of interest include, but are not limited to:

- Modelling and control methods for power converters and systems
- Nonlinear modelling and analysis for power electronics
- Optimization of power converters based on modelling
- Modelling and analysis of wide band gap semiconductors
- Modelling and control of power electronics dominated power systems
- Multi-time scale modelling and analysis for power electronics

All the instructions for paper submission are included in the conference website: <http://www.ieee-isie2018.org>