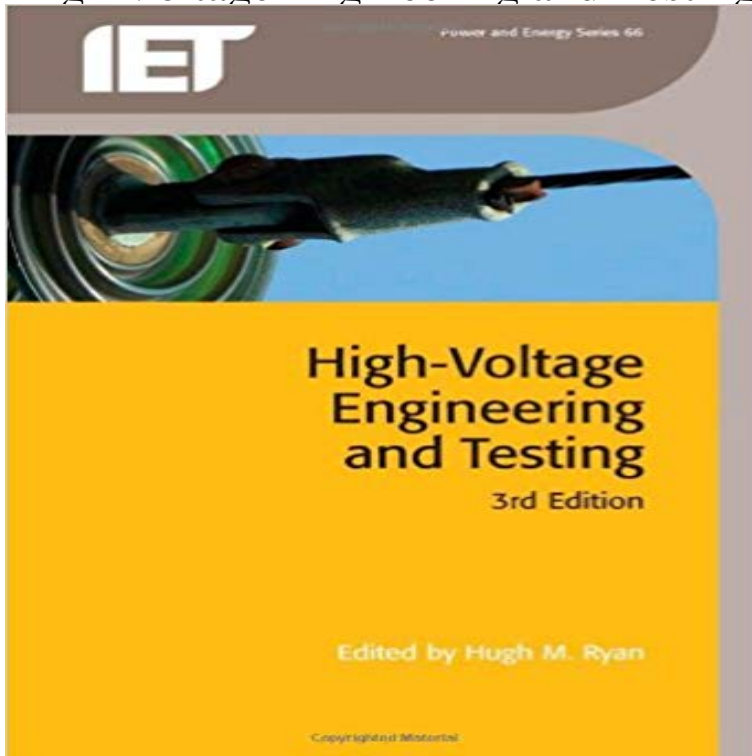


# High Voltage Engineering and Testing (Power and Energy)



This third edition of High Voltage Engineering and Testing describes strategic developments in the field and reflects on how they can best be managed. All the key components of high voltage and distribution systems are covered including electric power networks, UHV and HV. Distribution systems including HVDC and power electronic systems are also considered. This new edition gives details of design and testing techniques and considers recent developments in testing and measuring technology and reviews them together with appropriate strategic technological assessments of some applications. In the book, particular consideration is given to recent developments in UHV, AC and DC transmission systems abroad. Recent developments in renewable energy techniques and environmental issues are also discussed and assessed. This new edition gives details of design and testing techniques and considers recent developments in testing and measuring technology and reviews them together with appropriate strategic technological assessments of some applications. The book also looks at UHV, HV and distribution systems both from the point of view of the provider and the user, covering everything from specification and testing to overall system coordination. The ongoing dynamic changes which have taken place during the past decade are considered, moving on from the early stages of privatisation and market influences in the UK and abroad, to current strategies aimed at optimizing the value of network assets and the effective utilization of alternative renewable energy sources within network frameworks. The book is ideal for engineering students, lecturers, new graduates entering the highvoltage field, practising engineers, consultants and anyone wishing to extend their knowledge in this area.

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