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Simplification of Busbar Design Classic Busbar Resource under Revision

72 years after its first edition, the 'Copper for Busbars' design guide is being updated to ensure it meets the needs of today's designer engineers.

As Copper Development Association (CDA) celebrates its 75th anniversary, this classic book is being fundamentally revised with the help of Professor Toby Norris of Aston University.

The calculation of the alternating current carrying capacity of busbars is notoriously difficult and requires specialist knowledge and computational techniques that are beyond the resources of designers. To overcome these barriers, all the common busbar configurations have been modelled using finite element analysis techniques and the results converted to relatively simple algebraic expressions that are both accurate and easy to apply.

For the first time, engineering designers will be able to optimise their copper busbar designs to maximise energy efficiency and minimise life cycle cost.

David Chapman, CDA Electrical Programme Manager "Through our on-line enquiry service we receive many requests for help from design engineers attempting to optimise busbar systems. The new guide and accompanying software will not only provide design guidance but will take the pain out of making the calculations."

Set for release early in 2009, the publication will be available on the Copper Development Association website in the electrical section: www.copperinfo.co.uk/electrical.

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