

The Wedge-Pin

Direct Cooled Hairpin Winding
via Expandable Slot Liner

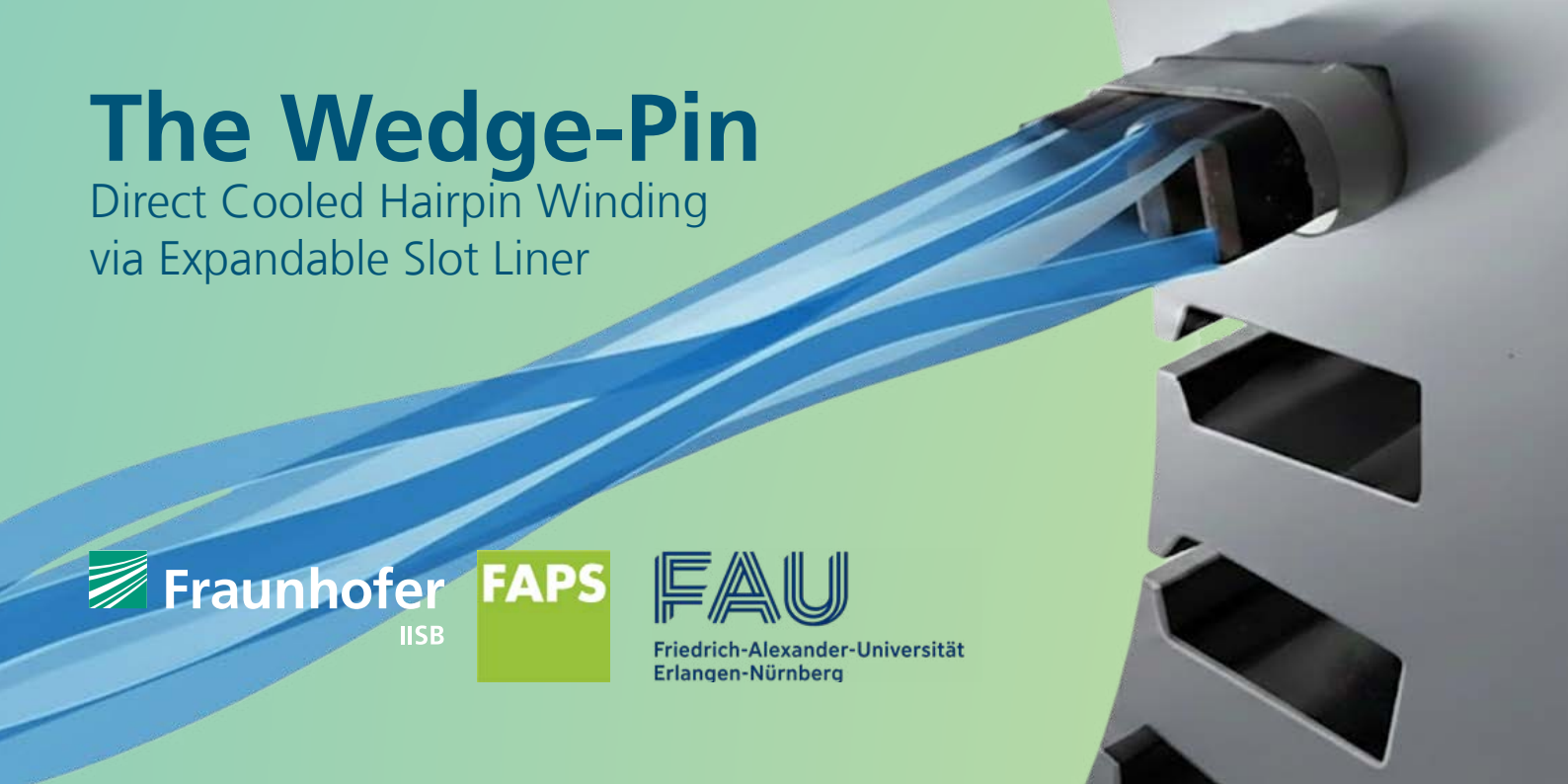


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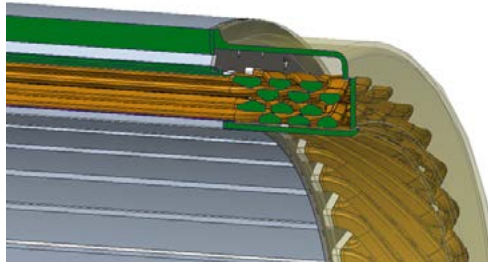
Direct Cooled Hairpin Winding via Expandable Slot Liner

Benefits

- Current densities **> 30 A/mm²** continuous
- Reduced AC losses
- No additional impregnation
- No additional airgap sealing
- Easy manufacturability
- Optional lamination stack cooling



Wedge-shaped hairpins
+ Expandable slot liner
= Direct cooling channels in slot



Concept of direct cooled wedge-pin winding (CAD and implementation). © Tobias Zürrlein / FAPS

Let's connect!



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