2078

Material aspects of periodically poled lithium niobate.

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The talk will provide an overview of applications of domain inverted materials in optics. In particular, methods of fabrication will be presented with particular emphasis on the interplay between poling techniques, material properties and device requirements. Examples will be presented of nonlinear optical devices in bulk and waveguide. Further examples will concentrate on novel uses of domain engineered devices.

BACG (British Assoc & Crystal Circuta) Unist Horchoster 17-19 Sept oc