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School of
PHYSICS

‘Generation and Detection of Twisted Waves of Neutrons and Light’

Monday 6th February 2023, 3pm, Berry Lecture Theatre

In celebration of the Golden Jubilee of "Dislocations in wave trains," I am pleased to bring some new coals to Bristol. About twenty years after its publication, "Dislocations" became an Old Testament of the field now known as "structured light" and "optical orbital angular momentum", following ingenious experiments by Soskin et al. that showed promise of wide application. Quantum particle beams can also be shaped by like tools. I will present recent results for neutron beams, made possible by a microfabricated synthetic hologram containing millions of the forked dislocation gratings discussed by Soskin.

The Colloquia will be followed by tea and coffee in the staff common room.
For further details please contact phys-exec-office@bristol.ac.uk

Physics Colloquium – Winter Term