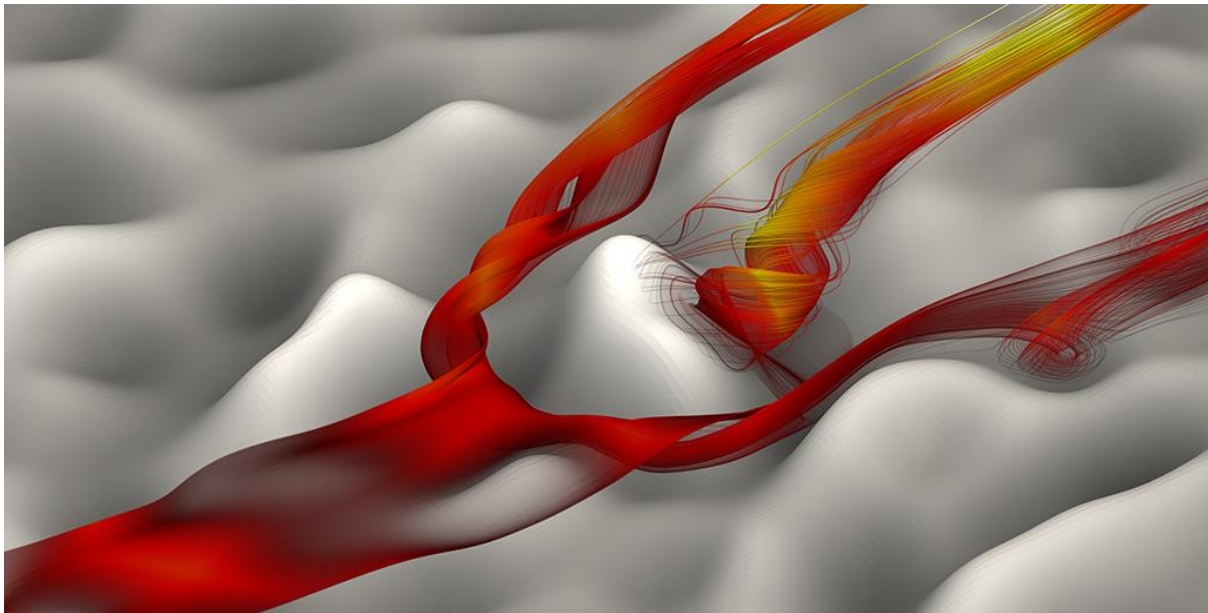# UK Fluids Network photo competition #10: 'Computed flows'

RUNNER-UP

'Mean streamlines in rough wall turbulence'

Felipe Alves Portela (University of Southampton)

Click on image to see high quality version

The image was obtained from a DNS of the flow over a rough surface (Re_τ=395) and illustrates the complexity of the mean flow within the roughness sublayer. The streamlines were seeded upstream of a characteristic feature of the surface, some of them becoming trapped downstream of that feature before being ejected.