

Abstract for an Invited Paper  
for the DFD08 Meeting of  
The American Physical Society

**Future prospects for Flow Visualization in Low Temperature Helium**

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The techniques discussed in the preceding papers in this Minisymposium on Flow Visualization in Low Temperature Helium will be reviewed in the light of future needs, especially in connection with experimental evidence relating to important questions arising in the study of quantum turbulence. Quantum turbulence is a form of turbulence found in superfluid systems (superfluid  $^4\text{He}$  and superfluid  $^3\text{He-B}$ ), where flow is strongly affected by quantum effects, and it poses especially difficult and challenging problems in connection with visualization, in terms of both interpretation and the choice of seed particle. At the same time there is a great need for information that only visualization can provide. Future prospects will be surveyed.