

Scientific Opportunities Worksheet

Please complete this worksheet before the workshop. Feel free to include figures and to complete more than one worksheet.

- 1) Describe an important scientific opportunity in your field of research over the next ten years. Please estimate the scientific and technological impact of success in addressing this opportunity. (1-3 paragraphs)

- 2) Describe *how* neutrons play an essential role in addressing this problem. In particular, discuss the properties of the neutron that make it a useful tool for research in these areas. (1 paragraph)

- 3) Describe desired characteristic(s) of neutron instrumentation needed to address this scientific opportunity. Include a general description of the class of the instrument (*e.g.*, reflectometer, SANS, NSE). (1 paragraph)

- 4) Indicate any advances in sample environment equipment and software that will be needed to conduct successful experiments in this area. (1 paragraph)