

## **Summary Report of PESP-2002 Workshop**

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A summary of the presentations for the 2002 Workshop on Polarized Electron Sources and Polarimeters (PESP-2002) will be given. PESP-2002 will be held in the vicinity of MIT-Bates Linear Accelerator Center on September 4-6, 2002. It is a satellite workshop for the SPIN2002 symposium at Brookhaven National Lab, Long Island, NY and supported by the International and Local Organizing Committees of the Spin Physics Symposium, and MIT-Bates. The previous such workshop was held in Nagoya Japan in October 2000. The workshop will follow an interdisciplinary approach that includes high energy and low energy physics, surface and material sciences as well as application of polarized sources in science and industry. In addition, PESP-2002 will have contributions on polarized sources for parity violating experiments that are under way in several medium and high energy accelerator centers worldwide. The summary report will include the operational experiences of medium and high energy labs (SLAC, Mainz, Jefferson Lab and Bates) which are utilizing the latest developments in photocathodes to deliver highly polarized electron beams. Also included in the report will be the latest developments and practices in the low energy electron beam polarimetry, including a novel gas polarimetry technique. Finally, a brief review of application of polarized sources in non-accelerator applications will be presented.