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**Plasma Institute 2000**<sup>1</sup> R.L. LEE, General Atomics, A. NAGY, Princeton Plasma Physics Laboratory — A 10-day educator workshop, Plasma Institute 2000 (PI2K), was held at General Atomics and attended by 12 teachers. PI2K was designed to provide middle school and high school teachers with the basic skills needed to bring concepts in plasma physics into their classroom. The workshop introduced the teachers to general uses of plasma from fluorescent lighting to nuclear fusion using demonstrations, hands-on experiments, visits to world-class laboratories, and discussions aimed at getting to the heart of issues related to energy production, computer use in science, and the future of science education. Teachers used a cylindrical plasma device and a Langmuir probe to observe and measure phenomena such as species-dependent light emission, electron temperature, and particle density. In addition, lectures on magnetic and inertial fusion devices were given, as were in-depth activities in the use of computers for modeling, data archival, and information retrieval. The workshop was designed by scientists and engineers from GA, PPPL, and UCSD with guidance from Education faculty at San Diego State University and local high schools. Program highlights, planning, and teachers' activities will be presented.

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- Prefer Oral Session  
 Prefer Poster Session

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