

Abstract Submitted
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Plasma Science and Applications at the Intel International Science and Engineering Fair LEE BERRY, Oak Ridge National Laboratory, COALITION FOR PLASMA SCIENCE TEAM — Three years ago, the Coalition for Plasma Science (CPS) established a plasma prize at the Intel International Science and Engineering Fair. The APS/DPP and the IEEE/PSAC have helped make this effort a success by helping to identify judges. Each year since then, the number of plasma-related projects has increased. This year's prize was awarded for an instrument that, based on the ratio of spectral emission in two bands, detects when a high-pressure street light is about to fail. This allows time for an, efficient, scheduled replacement rather than an emergency service call. The CPS is a broadly-based group of institutions and individuals whose goal is to increase the understanding of plasmas for non-technical audiences. CPS activities include maintaining a website, <http://www.plasmacoalition.org>, developing educational literature, organizing educational luncheon presentations for Members of Congress and their staffs, and responding to questions about plasmas that are received by the CPS e-mail or toll-free number. The science fair prize and other CPS activities depend on the voluntary labor of CPS members and associates. New participants are needed to expand CPS activities and reach a larger audience. Send an e-mail to the CPS at CPS@plasmacoalition.org for information.

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