

COE-INES Business Trip Report

Date: 17 – 24 July 2004

Name: 創造エネルギー専攻博士後期課程 2 年 Inho SONG

Destination: Toulouse, France

The International Symposium on Science and Technology of Light Source (LS) has been held regularly since 1973 and provides a unique opportunity for the worldwide community of engineers and scientists from the lighting industry, research organizations and academic to meet, present and discuss their work on light source research and development. LS-symposium is designed to be both an opportunity to hear of the latest and most exciting developments in light sources from leaders in their fields and importantly to provide many opportunities to meet personally with other delegates to discuss in detail work in areas of shared interest.

The 10th symposium, LS:10, was held in Pierre Baudis Convention Centre in Toulouse (France) during July 18th ~ 22nd, 2004. The topics of conference are lighting lamp, lamp-related electronic gear, high intensity discharge sources, diagnostics, material and modeling. Main issue of this conference is lamp but some papers, which studied ArF excimer laser, solid-state source and EUV light source, was selected and presented for enlarging the conference's field. Therefore, I have the chance to present the paper titled by "Development of capillary Z-pinch discharge light source for EUV lithography". EUV lithography is regarded as the potential candidate for technology under 50 nm node optical lithography after 2007. There are many issues for realizing EUV lithography such as developing optical components and photoresist and one of the most important challenging tasks is to develop an EUV light source. At the symposium, I could share their knowledge and experience and see the works of other groups.



The symposium has lots of meanings. One of them is a convivial meeting for intellectual discussion among the ancient Greeks. They don't use the word of conference and the committee pays much attention to prepare the poster because they attach great importance to the free discussion of the entire attendant. This photo shows my back at the center of it during the session.