Signal and Imaging Sciences Workshop

A workshop for LLNL, UC community personnel, and others to share accomplishments, ideas and areas of need in the Signal, Imaging, and Communications Sciences. We are soliciting 15-minute presentations for the workshop.

November 20 -21, 2008

at Lawrence Livermore National Laboratory, B482 Auditorium

Keynote Speaker

Dr. Jose Principe

University of Florida

Call for Abstracts

****REVISED DUE DATE****

Titles and Abstracts due by October 10, 2008

Registration form on reverse side or go to CASIS website: (http://casis.llnl.gov/) for more info and to download an electronic copy of the registration form.

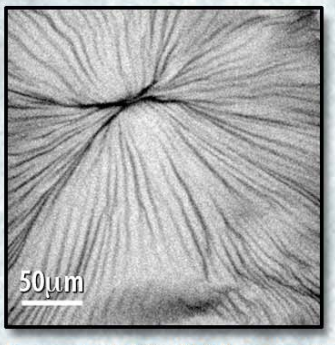

Image courtesy Judy Kim, Bill DeHope, Wayne King

The background image was taken with the LLNL-developed dynamic transmission electron microscope (DTEM), which provides the highest resolution ever for imaging of ultrafast material processes. It shows a 15-ns exposure looking through a 151-nm-thick nanolaminate (six layers of Co/Al) that has undergone a highly exothermic, self-propagating reaction traveling at 6 m/s. The light and dark contrast zones depict rumpling of the film after the reaction front has passed, most likely due to volume expansion as the material changes phase from separate Al and Co to an intermetallic CoAl.

The DTEM developers were winners of an R&D 100 award with JEOL USA Inc. in 2008

For technical information:
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For registration and general information:
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There is no registration fee for CASIS, however we request $20 ($10 per day) for hospitality and lunch.

Sponsored by the LLNL Engineering Directorate and the Center for Advanced Signal and Image Science (CASIS)

ENGINEERING

Center for Advanced Signal and Image Sciences

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