

FY09 JUPITER LASER FACILITY USER PROGRAM - PROPOSAL FORM

Completed proposal must be submitted in a single pdf file using this form and received by Andrew Ng, Scientific Director, Jupiter Laser Facility via e-mail <ng16@llnl.gov> by April 1, 2008

I. General Information

Name of Principal Investigator:

Affiliation:

Position:

Mailing address:

E-mail address:

Telephone number:

Name of LLNL Responsible Individual:

Directorate:

Position:

E-mail address:

Telephone number:

Program Component:

- Specify Programmatic Research or Basic Science Research
- Identify link to any Laboratory Directed Research & Development (LDRD) project

Laser Requirement:

- Specify Titan, Janus, Callisto, Europa, or COMET
- Specify laser parameters (wavelength, pulse length, pulse energy, focal spot, etc.) pertinent to proposed experiment

II. Proposal

The completed proposal (including figures, references) must be contained within 6 pages. Additional pages will be deleted from submission.

II.a Executive Summary

Highlight the proposed work for a general scientific (not subject expert) audience.

II.b Scientific & Programmatic Goal and Impact

Proposals in either the Programmatic or Basic Science components must provide a clear description of both scientific impact and impact in the program areas of High Energy Density Science, Inertial Confinement Fusion, Fast Ignition Science and Stockpile Stewardship Science.

II.c Methodology

Describe details and significance of experimental approach and technique. Also include justification for the choice of laser platform at Jupiter Laser Facility and the amount of laser time requested.

Given the extremely heavy demand for laser time by users, it is particularly important for each applicant to articulate a well-focused laser shot plan illustrating the ability to successfully obtain definitive, high impact data at the completion of the proposed experiment at JLF.

Provide a detailed description of the diagnostics that are to be fielded by the team, including the state of readiness of the instruments.

II.d Research Team & Support

Identify all members of the research team with information including name, affiliation, position and pertinent scientific expertise. For students performing thesis-related research at JLF, additional information must be provided including name of academic supervisor, title of thesis, relevance of proposed experiment to thesis, degree sought and expected date of graduation.

As a part of the JLF safety policy, each team must include a LLNL research collaborator with the appropriate technical expertise and work experience at Jupiter Laser Facility to act as the Responsible Individual to provide all necessary administrative leadership for the team. Applicants needing assistance to engage a suitable Responsible Individual should contact Andrew Ng, Scientific Director, Jupiter Laser Facility.

Provide detailed information on funding that has been awarded or applied for in support of the proposed work.

II.e External Referees

Provide name, affiliation, position, scientific expertise, e-mail address and telephone number of five national or international scientists who are qualified to review the submitted proposal with no conflict of interest. At least two of them will be contacted by JLF Program Advisory Committee as referees.

III. Curriculum Vitae & Publications

Provide curriculum vitae and publication list for each member of the research team.