

Canada-Japan Workshop

CLAN – JILS Collaborations in Advance Laser Applications

*Forging International Research Links with
CLAN: the Canadian Laser Application Network*

July 3, 2009, Tokyo, Japan

LOCATION: AIST Tokyo Waterfront: 11th floor, Bio-IT Research Building

http://www.aist.go.jp/aist_e/guidemap/waterfront/waterfront_map.html



Sponsor:
Foreign Affairs and
International Relations,
Canada

Host organizer:
Japan Intense Light Field
(JILS) Science Society



Banquet sponsor:
MegaOpto Co., Ltd.

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CLAN is the **Canadian Laser Application Network**, a newly forming organization of academic, industry, and government groups in Canada that are involved in various aspects of Laser Applications in materials processing and photonic diagnostics. Key objectives of CLAN are to (1) strengthen research collaboration in strategic areas of Canada's interest (Energy, Communications, Automotive, Aerospace, Security, and Bio-technology), (2) foster strong academic-industry partnerships to co-develop and introduce modern manufacturing and processing technologies into Canadian enterprises, and to (3) develop a broader spectrum of education programs in laser technology that balance with the socio-economic opportunities of our country. Canada currently drives world-leading scientific research and innovative technology in some of these areas – but these are mostly fragmented endeavours and serve in niche fields and application areas. The CLAN mission therefore seeks international partnerships with world leading research centres and laser industries that can offer and mutually benefit from complimentary technologies and expertise.

In Japan, laser development and processing is a major activity of research and industry application that serve in many socio-economic sectors (Health, Auto, Electronics, manufacturing) of interest to Canada. CLAN has targeted Japan for international cooperation. The **Canada-Japan Workshop** program therefore will review the current status of scientific and technology expertise in Canada and Japan, and employ panel discussions to examine strategic areas for joint research and development that offer a strong complementary basis of cooperation.

The **Canada-Japan Workshop** will explore cooperation on several levels that facilitate:

- Development of joint conferences and workshops, joint education programs, and exchanges of students
- Strategic research-project areas that combine the most advanced knowledge and training from each country in complementary ways
- Exchange of research personnel between academic and industry groups
- Linkages with international networks of research and industry activity that strengthen research and industry in each country
- Favourable access and sharing of state-of-the-art technologies, tools, and processes that complement and enhance research innovation and technology development in each country
- Funding sources for international research programs
- Joint Research Projects such as 2 + 2: involving a institutional/academic group and industry partner from both countries