



The John Adams Institute for Accelerator Science

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Prof Gerard Mourou
Ecole Polytechnique, France

Dear Professor Mourou:

With this letter I would like to express support of your efforts to boost the research activities in the area of highest intensity lasers via establishing an international team and network of scientists under the International Center for Zettawatt-Exawatt Science and Technology (IZEST) which will include activities such as the LIL and XCELS, as explained in your letter dated Sept. 1, 2011. I also admire the leading role that France with the Ecole Polytechnique and the Commissariat à l'Energie Atomique is taking in this matter.

The laser-plasma acceleration is a very challenging area, and now is on the verge of breaking through towards applications, for light sources, medical applications, and other fields. IZEST has also the potential to redefine the contours of high energy physics. Coherent efforts of many scientists are needed to solve these challenges. Aiming towards realisation of these goals, the JAI recently started developing the laser plasma acceleration as a new and a very important component of JAI programme, and we intend to support your efforts and participate in the joint research.

It is also encouraging that IZEST will assist and promote the world-wide efforts, for example, that of French LIL Exawatt, that of Russian Mega Science laser project (XCELS), and possibly the deliberated Japanese Exawatt Laser among others. JAI will be glad to closely collaborate in these research activities, contributing with its research capabilities and expertise in accelerator and detector components, high energy physics expertise, and related technologies, as well as via our education and training programmes.

I would like to assure you that the JAI we will its best to support you in this endeavour to reshape and reenergize high energy physics around the ultra high Intensity laser.

Sincerely,

Andrei Seryi

The John Adams Institute for Accelerator Science is jointly hosted by the Departments of Physics of the University of Oxford and the Royal Holloway University of London