

Charge for the ILC Research Director

INTRODUCTION

Oversight of the global effort for the ILC, including the experimental program, is the responsibility of the International Linear Collider Steering Committee (ILCSC). Even though the World Wide Study has been effective in guiding the experimental program, it has limited executive authority and its accountability with respect to the ILCSC is not clearly established. A valuable step could be taken by creating a legitimate management structure for the experimental program, led by a director with management authority. This director, whom we refer to as the Research Director (RD), is appointed by and reports to the ILCSC. Such organization, recognized and supported by the ILCSC, would enhance the legitimacy and accountability of the experimental program.

CHARGE

The RD will be responsible for the development of the experimental program of the ILC. In particular, the RD will be responsible for

1. devising the procedures that will result in two contrasting and complementary detector designs proposed by groups that are capable of completing detector engineering design reports (EDRs),
2. helping to secure the resources which are required by interacting with lab directors, funding agencies, and universities,
3. endorsing major technical decisions by the collaborations,
4. guiding the global detector R&D activities, as long as such management is required,
5. promoting the ILC project together with ILCSC and GDE.

In order to perform these tasks, the RD will

1. form a management structure under him/her to execute these tasks,
2. appoint a detector advisory group, the IDAG (International Detector Advisory Group), with the approval of the membership by the ILCSC.

The IDAG will

1. advise the Research Director on ILC experimental program issues
2. make recommendations to the Research Director on the choice of two detectors for the engineering design effort based on detector Letters of Intent. The Research Director will present these recommendations to the ILCSC for approval.

QUALIFICATIONS

The RD must

1. be an experimental particle physicist with an excellent international reputation for technical leading,
2. have years of experience leading large experimental projects,
3. be suited for coordinating progress between the detectors and the collider and for working with GDE accelerator physicists, particularly with the GDE Director,
4. be able to commit a large fraction of his/her time to the ILC effort.

The IDAG membership is listed at <http://www.linearcollider.org/cms/?pid=1000471>, together with a link to the IDAG mandate.

On 31 October 2008, ILCSC stated that the mandate of IDAG extends to 2012.