

Cryogenics Society of Europe (CSE)

Strategy and roadmap

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Introduction

Three start-up discussion meetings were organized in 2013 and 2014 at University of Twente (18-10-13 and 9-7-14) and at RAL (29-5-14). In total 36 persons were involved in these discussions coming from 8 European countries. After the July 2014 meeting in Twente, a CSE preparatory committee was formed that produced a draft of the CSE statutes. These were discussed among the committee and others that took part in the start-up discussions. The aim is to have the statutes finalized and passed through notary office by April 2015. At that point, the CSE is a legal entity and can open a bank account and have members registering. In parallel to working on the statutes, the standing orders will be made and discussed among the 36 persons mentioned earlier. Once sufficient consensus is achieved on these standing orders, these can be used for advertising and acquiring members. In this document the strategy is discussed on how to realize the activities that the CSE aims for.

Priority 1: General Meeting

The first General Meeting (GM) of the CSE members will be on June 4th prior to, and in conjunction with, a HEPTECH meeting in Grenoble. At this first GM:

- The first CSE Board will be elected.
- The bye-laws may be amended and need to be approved.
- A financial plan covering 2015 and 2016 will need to be made and approved
- Confidant committee will be formed (committee for representing the Society in the event of a conflict of interest between the Society and one or more Board members)
- Other committees may be formed (audit committee may be formed but is not required before the next GM)
- Venue and provisionally date of the next General Meeting should be approved.

As the HEPTECH is very well sponsored, the organization of the first GM does not require additional funding by CSE budget. Also the organization of future GMs should not require CSE funding. These should be organized in conjunction with other conferences or meetings or be separately sponsored such that no support of CSE is required.

Priority 2: Communication

The CSE aims to establish a website that has an open-access part with material that is provided by its members. It for instance shows information on events and projects, and will have links to corporate-member websites, facilities and products. The website will also have a newsletter that is open-access which will be sent to members through direct email contact as well.

The website will also contain a part that is protected and only accessible for members. This part will hold directories on members, on companies, on test facilities present at members premises, and on members expertise. Furthermore, the website will have forums e.g. on job positions and internships.

Furthermore, if financial resources allow, the CSE website will be extended with on-line documents (minutes of meetings, interesting links, and listings of relevant standards). Also, a Q & A forum will be included (follow-up of Goran Perinic's forum).

We aim to have 0,4 fte personnel available for this activity soon after the formal start of CSE. For that purpose a budget of about 25 k€ will be required. At the start of CSE we will have a starting budget of 15 k€ from donations. The remaining 10 k€ then needs to come from membership fees.

In addition to the electronic newsletter, a magazine may be set up, when resources allow to do so.

Priority 3: Conferences, workshops and related events

Apart from the annual General Meeting, the CSE will support the organization of specialized conferences and workshops that are open for all but have a reduced fee for CSE members. These can be organized in conjunction with other conferences or meetings so as to reduce costs. Support of CSE will be on organizational issues and may also be financial. Topics are, for instance:

- CSE conference on low-power cryocoolers
- CSE conference on sub-Kelvin cooling technologies
- CSE workshop on shortage of helium
- CSE workshop on cryogenic innovations in LNG

The CSE will not organize a conference series on cryogenic technologies in general. This general gathering is covered by the ICEC, CEC and IIR conferences.

Priority 4: Outreaching

a. to decision makers

Working groups (committees) will be formed of the CSE members on topics relevant to CSE. Among other sources based on these working groups, informative notes and statements will be made and handed to decision makers.

b. further outreaching and dissemination

The CSE will explore strategies for complementary promotion of Cryogenics with national Societies already involved in the field (in the UK, Germany, France, the Netherlands, etc...), and develop contacts with existing international conferences occurring in Europe.

Further outreaching activities will be developed aiming at general public, at other organizations and at students. The CSE will serve as an umbrella to cover and support yearly student courses such as the Grenoble, Helsinki, Lancaster “Cryocourse” and the Dresden, Wroclaw, Trondheim “European Course on Cryogenics”. These courses basically should be self-supporting. It is expected that teachers will not be paid, only reimbursed for their travel, accommodation and subsistence. The CSE may contribute in coordinating the sponsoring among their industry members and may assist in raising EU funding. Furthermore, depending on its balance the CSE may also financially contribute.

The CSE will facilitate open-access publications through its website.

For expanding contacts and networking, the CSE will explore strategic alliances with other organizations such as the Cryogenic Societies of America, Canada, India and/or Japan.

Finally, the CSE may award students or young researchers for outstanding results, or senior individuals their achievements in wider frame. However, many awards are already given by various organizations, and the CSE should not simply add one, but instead it should fill a relevant gap in this respect.