

LCLS Scientific Advisory Committee (SAC)

Charter

The role of the LCLS Scientific Advisory Committee (SAC) is to advise the LCLS Director on issues relating to the operation and development of LCLS as a preeminent scientific user facility. The scope of the SAC is the entire LCLS facility, covering all aspects of accelerator and FEL systems, instruments, detectors, data systems, support capabilities, and science programs.

The SAC has a broad remit to comment on any aspect of LCLS, including:

- The scientific direction and strategic plans of LCLS;
- The planning and delivery of major upgrades to the facility;
- Options, priorities and facility-wide balance of the introduction of new capabilities (and/or the retirement of older capabilities), as driven by the current and future needs of the user program;
- Options and priorities for scientific and technical development programs driven by LCLS management on behalf of the user community;
- Long-term R&D activities;
- The performance, scientific output, and future plans of the LCLS instruments;
- The quality of in-house science projects, driven by the LCLS instrument scientists;
- The positioning of LCLS with respect to the domestic and international landscape of related science facilities;
- Topical issues raised by the LCLS Director.

Membership and Meetings

The SAC consists of 12 to 15 regular members, including a Chairperson. In addition there will be up to 2 *ex officio* members: the chair of the Users' Executive Committee (UEC) and, when applicable, the retired SAC Chairperson.

The SAC members and Chairperson are appointed by the LCLS Director, and will cover a suitable breadth of scientific and technical areas of competence. Appointments are for a nominal term of 3 years, renewable by mutual consent for up to 1 additional term.

The SAC shall meet every 6 months (April and October). The agenda and charge for each meeting will be based on specific topics and questions posed by the LCLS Director in close coordination with the SAC Chairperson.

At the conclusion of each meeting, the SAC Chairperson will address this charge orally in a close-out session, with a formal written response to be sent to the LCLS Director within a month.

The Chairperson shall manage conflicts of interest on the committee, with recourse to the LCLS Director as required. At all times, the SAC shall maintain the highest standards of ethical behavior.

Current List of Members:

2017 LCLS Scientific Advisory Committee			
First Name	Last Name	Home Institution	
2017 SAC			
Gabriel	Aeppli	Paul Scherrer Institute	
Gilbert	Collins	Rochester University	
Markus	Guehr	Postdam University	
Ed	Lattman	University at Buffalo	
Jon	Marangos	Imperial College London	SAC Chair
Stephen	Milton	Colorado State University	
Keith	Nelson	MIT	
Christoph	Bostedt	Northwestern University/ANL	Ex-Officio, UEC
Thomas	Tschentscher	XFEL - Hamburg	
Joachim	Ullrich	PTB	
Philippe	Wernet	Helmholtz Center Berlin	
Makina	Yabashi	Spring-8	
Sasha	Zholents	Argonne National Laboratory	