

# **SoLID Collaboration and Organization**

The SoLID Collaboration

February 26, 2024

The SoLID collaboration has more than 250 members from over 62 institutions in 13 countries. SoLID has attracted international attention with many groups committed to making significant contributions, including noticeably the contributions to the design, simulation and testing efforts for large detector projects (GEMs, EC and MRPC) from several Chinese groups and Heavy Gas Cherenkov detector from the U. Regina group in Canada.

The proposed SoLID Organization Chart is shown in Figure 1.

### Project Management

Function: The Project Manager (PM), together with the Deputy Project Manager and Project Engineer, will be in charge of executing the project and report to JLab management. The collaboration will provide advice and oversight, and members of the collaboration will work under the PM in various roles to execute the project. For example, all subsystems coordinators will report to the PM. The PM has the authority and responsibility to manage the SoLID project.

Jian-ping Chen is the current Project Manager. Klaus Dehmelt is the Deputy Project Manager and Whit Seay is the Project Engineer.

### Executive Board

Function: The Executive Board (EB) makes decisions on scientific and organizational choices, and provides high level oversight on all matter pertaining to preparation and operation of the SoLID project.

The Chair of EB is a senior science leader, and is the principal contact between the collaboration and the lab management/DOE. The Chair will provide oversight and input to the PM for the SoLID project. The Chair, together with the PM, is responsible for the performance and assessment of all subsystems.

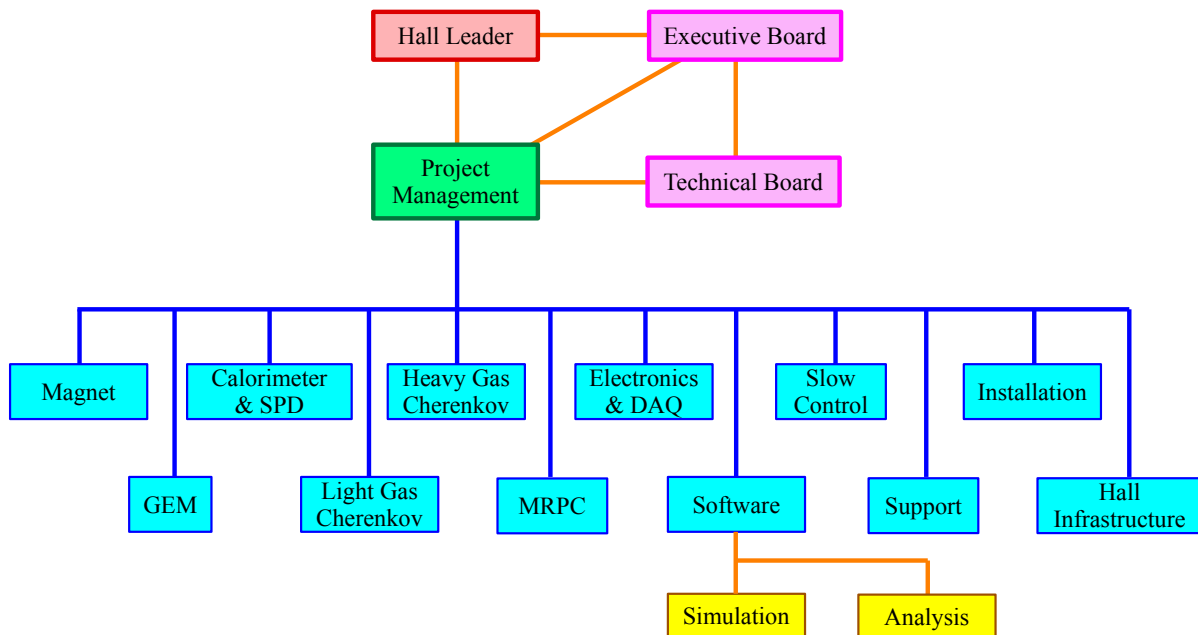


Figure 1: SoLID Organization Chart

The current members are the senior spokespeople plus the Hall Leader (ex-officio) and the Preject Manager (ex-officio): Paul Souder, Haiyan Gao, Zein-Eddine Meziani, Xiaochao Zheng, Mark Jones (Hall Leader, ex-officio) and Jian-ping Chen (PM, ex-officio).

Paul Souder is the current EB Chair. It is expected that the Chair position will rotate.

### **Technical Board**

Function: The technical Board (TB) advises the PM on all aspects of the Project, including any changes in cost, scope or schedule.

The TB will have a group of (usually senior) collaborators who represent the full range of required technical expertise and usually a representative from each subsystem is expected to be on this board. This group will be appointed by the EB. In addition, the TB will include the PM and also project engineers when they are appointed. The membership of the TB can be periodically adjusted by the EB as the situation warrants.

The chair of the TB will be the PM. All EB members who are not already in the TB are ex-officio members, along with the Hall leader.

Current members: Jian-ping Chen (Chair), Paul Souder, Haiyan Gao, Zein-Eddine Meziani, Xiaochao Zheng, Mark Jones (ex-officio); Alexandre Camsonne, Klaus Dehmelt, Ole Hansen, Garth Huber, Jianbei Liu, Nilanga Liyanage, Bob Michaels, Michael Paolone, Chao Peng, Paul Reimer, Brad Sawatzky, Whit Seay, Nikos Sparveris, Yi Wang, Zhihong Ye, Zhiwen Zhao.

### **Sub-System Lead Coordinators and Institutions**

- **Magnet:** Whit Seay and Jay Benesch; *JLab*
- **GEM:** Nilanga Liyanage and Klaus Dehmelt; *UVa, Stony Brook, JLab, MIT, CIAE (China), USTC (China)*
- **Calorimeter:** Xiaochao Zheng and Cunfeng Feng; *UVa, Shandong (China), Tsinghua (China), Argonne*
- **Light Gas Cherenkov:** Zein-Eddine Meziani, Nikos Sparveris, Michael Paolone and Simona Malace; *Argonne, New Mexico State, Temple, JLab, Stony Brook*
- **Heavy Gas Cherenkov:** Haiyan Gao, Zhiwen Zhao and Garth Huber; *Duke, Regina (Canada), Stony Brook*
- **MRPC:** Yi Wang and Sanghwa Park; *Tsinghua (China), USTC (China), JLab*
- **DAQ/Electronics:** Alexandre Camsonne and Ron Gilman; *JLab, Rutgers*
- **Simulation:** Zhiwen Zhao and Ye Tian; *Duke, Syracuse, Argonne, UVa*
- **Reconstruction and Analysis:** Chao Peng, Ole Hansen and Weizhi Xiong; *Argonne, JLab, Shandong (China), UVa*
- **Slow Control:** Chandan Ghosh; *JLab*
- **Supporting Structure and Baffle:** Whit Seay and Paul Reimer; *JLab, Argonne*
- **Hall Infrastructure Modification:** Whit Seay and Lawrence Hurt; *JLab*
- **Installation:** Lawrence Hurt and Whit Seay; *JLab, all user groups.*

The names listed are the coordinators for sub-systems. Institutions working on and responsible for the sub-systems are also listed. Details of the responsibilities are described in the summary for each sub-system. The list reflects the current situation and it is expected to be modified as more groups join the effort as the SoLID project moves forward.