

BYLAWS

Center for Simulation Visualization and Real-Time Prediction (SiViRT)

Vision: To be a center of excellence for interdisciplinary research in computation and visualization with engineering and science applications.

Mission:

- Create and maintain a collaborative research infrastructure cross disciplines for computation and visualization;
- Conduct simulation-based modeling, design and real-time control in applied research;
- Educate undergraduate and graduate students through first-hand research and design experiences; and
- Identify opportunities for technology transfer and facilitate industry partnerships locally and nationally.

Organizational Structure:

Director:

- The Director of the SiViRT will be elected for a 3-year term by simple majority of the voting members of the Center.
- The Director will be a member of the executive committee and will retain full voting rights.
- The responsibilities of the SiViRT Director include:
 - Provide leadership for the Center.
 - Represent the Center to the UTSA administration (departmental, college, and university), the public, and other organizations that have dealings with the Center.
 - Manage the day-to-day operations of the Center. However, the Director can delegate responsibilities to the Deputy Director and other executive committee members.
 - Interact with Center members and execute decisions regarding the Center on behalf of the executive committee and the Center.
 - Provide fiscal and budgetary oversight and reconciliation for the Center.
 - Hire administrative personnel for the Center with approval of the executive committee and serve as the supervisor for administrative personnel.

Deputy Director:

- The Deputy Director of the Center will be elected for a 3-year term by simple majority of the voting members of the Center.

- The Deputy Director will be a member of the executive committee and will retain full voting rights.
- The responsibilities of the Deputy Director include:
 - Act on behalf of the Director of the Center if the Director cannot assume his executive functions for reasons of absence or otherwise.
 - Maintain day-to-day operations of the Center as delegated by the Director.
 - Assist the Director of the Center.

Executive Committee:

The executive committee is composed of 5 or 6 regular members of the Center with full voting rights and will include the Director and Deputy Director of the Center.

- Members of the executive committee will be elected for a 3-year term by simple majority of the voting members of the Center.
- The members of the executive committee will serve 3-year term.
- The responsibilities of the executive committee include:
 - Establish programmatic emphases relating to the Center in cooperation with the Director and the members of the Center.
 - Provide oversight of Center finances and ensure the fiscal viability of the Center by establishing fiscal policy for the Center in cooperation with the Director.
 - Approve major fiscal expenditures relating to the Center.
 - Approve hiring of personnel by the Director
 - Establish policies for membership to the Center. The committee will vote on new members to the Center and will determine their voting rights (e.g. full member and affiliated member without voting privileges).
 - Revoke membership of regular members by absolute majority vote under extraordinary circumstances, and revoke membership of affiliate members by simple majority.
 - Call for out-of-term elections of the Director under extraordinary circumstances by simple majority vote.
 - Establish subcommittees as necessary to address specific Center-related issues.
 - Establish the bylaws for the Center. The bylaws and changes to the bylaws must be

approved by the members of the Center by simple majority vote.

- Issues that cannot be resolved by the executive committee must be brought to the full membership of the Center for vote.

-

Membership of the SiViRT:

Regular Members: The members must be UTSA Faculty members. Members should have an interest in mathematical modeling and computation, computer simulation and visualization, real-time prediction and control or other areas relevant to the mission of the Center. Membership applicants are reviewed and voted upon by the executive committee. The UTSA faculty from all colleges can apply for membership and join the interdisciplinary research team of SiViRT Center. Faculty affiliated with other UTSA research centers may apply for membership with approval of the executive committee. The members of the Center are voting members who elect the center director, deputy director and executive committee members. Members are expected to submit grants and contracts through the center, with indirect cost return to the Center according to University policy. Exceptions can be made by approval of the executive committee.

Affiliate Membership: Affiliate members are those who are interested in participating SiViRT activities but do not fulfill the basic duty as regular members. Affiliated members do not have voting privilege and benefits provided to regular members. Both UTSA, faculty from outside universities or professionals from industry.