



Membership Information



Member-at-Large
Donor Societies
Student Member
Task Groups

Structural Stability Research Council

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What is the Structural Stability Research Council?

The Structural Stability Research Council (formerly known as Column Research Council) was founded in 1944 to review and resolve the conflicting opinions and practices that existed at the time with respect to solutions to stability problems, and to facilitate and promote economical and safe design.

The Council offers guidance to specification writers and practicing engineers by developing both simplified and refined calculation procedures for the solution of stability problems, and assessing the limitations of these procedures.

The membership of the Council is made up of representatives from organizations (both governmental and private) concerned with specifications and design procedures for metal structures, representatives of consulting firms engaged in engineering practice, members-at-large selected from universities and design offices, and international contact members from various countries who are in touch with stability research in their region.

The Council provides support and technical counsel for stability research, holds regular meetings to report on research activities, and publishes the definitive work "Guide to Stability Design Criteria for Metal Structures."

An Annual Stability Conference not only provides up-to-date information on specific topics, but it also indicates where deficiencies exist in our present understanding of structural behavior. The Proceedings of the Annual Stability Conference represent a primary source of highlights of the latest solutions to structural problems before they are eventually published in technical journals.

What SSRC Accomplishes

The Council is a non-profit corporation organized for the following educational and scientific purposes:

To maintain a forum where the structural stability aspects of metal and composite metal and concrete structures and their components can be presented for evaluation, and pertinent structural research problems proposed for investigation.

To review the world's literature on structural stability of metal and composite metal and concrete structures and study the properties of materials available for their construction, and to make the results widely available to the engineering profession.

To organize, administer and guide cooperative research projects in the field of structural stability, and to solicit financial support for such projects.

To promote publication and dissemination of research information in the field of structural stability.

To study the application of the results of research to stability design of metal and composite metal and concrete structures, and to develop comprehensive and consistent strength and performance criteria and encourage consideration thereof by specification writing bodies.



Who Does the Work?

Task Groups and Task Reporters

The Task Groups review world literature on structural stability problems, organize, administer and guide research projects, promote publication and dissemination of research information, study the application of research results, and develop new strength and performance criteria.

The articles and recommendations produced by the task groups have helped in the formulation of many design specifications including those of the American Association of State Highway and Transportation Officials, The American Institute of Steel Construction, the American Iron and Steel Institute, the British Standards Institution and the European Convention for Constructional Steelwork.

SSRC Task Groups include:

- TG 2: Members: Stability of Steel Members
- TG 3: Systems: Stability of Steel Systems (Especially Frames)
- TG 4: Bridges: Stability of Steel Bridges
- TG 5: Thin-Walled: Stability of Thin-Walled Metal Structures
- TG 6: Extreme Loads: Stability under Extreme Loads

