

**SIGNAL AND INFORMATION SCIENCES  
LABORATORY (SISL)**

Research conducted by the Signal and Information Sciences Laboratory (SISL) is organized within two divisions:

- The Signal Physics Division (SPD) conducts advanced research focused primarily on acoustics. SPD's core areas of expertise span signal and noise characterization, propagation and scattering analysis, signal processing development and applications, information processing, and autonomous signal detection and classification systems.
- The Information Sciences Division (ISD) researches novel ways of using basic research and cutting-edge technologies to solve the most difficult problems in information interchange, architecture development, and test instrumentation systems. ISD personnel have significant expertise in data warehousing, data mining, machine learning, data engineering, and software engineering.

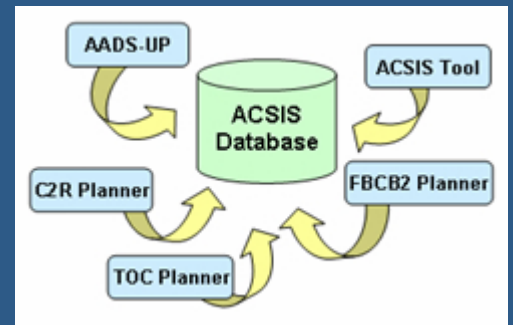
SISL's staff consists of scientists and engineers from diverse disciplines including physics; electrical, mechanical, and aerospace engineering; mathematics; and computer science. This diversity provides SISL with a strong and flexible technical base and fosters a dynamic interdisciplinary research environment. The SISL management philosophy is to foster the development of autonomous, highly capable project teams and allow them the freedom to pursue work in areas that interest them, thereby balancing academic freedom with the conduct of schedule-driven and cost-controlled research. Team leaders interact directly with DoD and industry sponsors to coordinate individual research efforts, and often manage multiple related research programs. We believe it is our flexible project teams that make us competitive in and adaptable to the ever-changing environment in which we work.

If you have questions regarding the work being done at SISL or are interested in working at SISL, please contact:

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Prototype development



Data modeling



Fielded systems