



LEARNING SYSTEMS INSTITUTE
AT FLORIDA STATE UNIVERSITY

CAPABILITY STATEMENT



The Learning Systems Institute (LSI) at Florida State University is at the forefront of developing innovative solutions that bridge theory and practice in education. Our experts' advanced research not only provides state-of-the-art methods but also a clear path for implementation. For more than 50 years, LSI has delivered systems that measurably improve the learning and performance of organizations and individuals here in Florida and globally.

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Since 1969, LSI has delivered systems that measurably improve the learning and performance of organizations and individuals here in Florida and across the world.

Our University

Florida State University, founded in 1851, is recognized as a preeminent research university by the State of Florida. Located in the state capital city of Tallahassee, U.S. News & World Report ranks FSU No. 19 among public universities in the United States (2023), appearing in the Top 20 for the fourth consecutive year. Florida State offers leading undergraduate, graduate, and professional programs. Many units have programs that consistently rank among the nation's top twenty-five public universities, including those in Physics, Chemistry, Statistics, Ecology, Evolutionary Biology, Meteorology, Political Science, Psychology, Sociology, Criminology, Information, Creative Writing, Public Policy, Business, and Law.

Learning Systems Institute

Established in 1969, the Learning Systems Institute (LSI) is a multidisciplinary research and development organization dedicated to innovating learning to improve human performance. LSI is a leader in multidimensional education projects and capacity building for reform and strengthening educational systems. LSI faculty and staff have expertise in performance improvement, learning technologies, international development, teacher education, and professional development with extensive experience implementing educational programs in Florida, the United States, and 44 countries worldwide.



The Learning Systems Institute (LSI) at Florida State University is at the forefront of developing innovative solutions that bridge theory and practice in education. Our experts' advanced research provides not only state-of-the-art methods but also a clear path for implementation. We have been providing innovative work for 53 years.

Our expert faculty and staff have delivered systems that measurably improve the learning and performance of organizations and individuals here in Florida and worldwide. Our work has earned LSI an international reputation for efficient and effective management and technical work that meets clients' needs.

LSI is a leader in multidimensional education projects and capacity building for reforming and strengthening educational systems. LSI faculty and staff have expertise in performance improvement, learning technologies, international development, higher education capacity building, teacher training, instructional design and curriculum development, STEM education, education technology, policy and standard development, literacy, and inclusive education. LSI has extensive experience implementing educational programs in Florida, the United States, and forty-four countries worldwide, with a strong record of managing multi-million-dollar research and service projects.

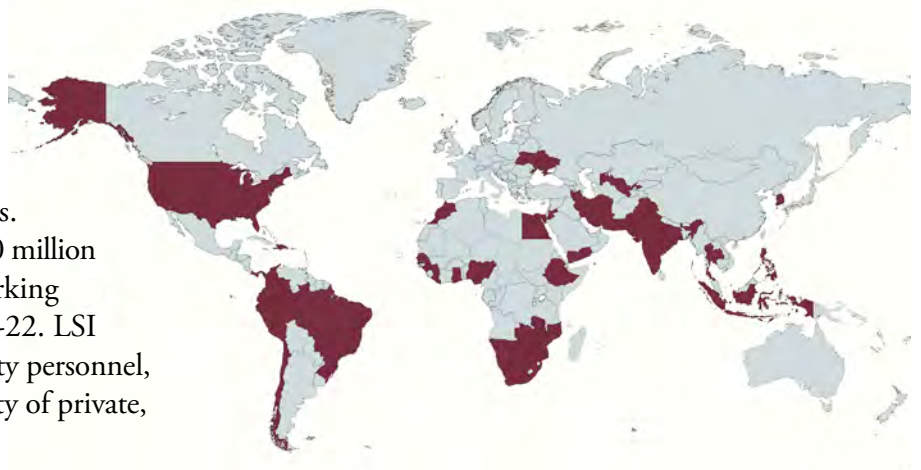
Since 1969, LSI awards have exceeded \$750 million and the institute had 54 active projects working with eight countries in the fiscal year 2021-22. LSI currently employs nearly two hundred faculty personnel, researchers, and support staff serving a variety of private, state, federal, and international clients.

"At USAID, we have a passion for education and high hopes for its future in Nigeria. In that spirit, this partnership (with LSI and FSU) played a critical role in ensuring the next generation of Nigerian children is equipped with the reading skills that will serve as the basis for a lifetime of learning."

*-USAID Nigeria Mission Director
Stephen M. Haykin*

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**EXPERIENCE WORKING
IN 44 COUNTRIES**





LSI's International Work

LSI has overseen dozens of projects globally. Areas of activity include basic education (primary and secondary), higher education, vocational training, health, urban development, education technology, teacher training, reading/literacy instruction, rural communication, girl's education, instructional design, accommodations, and modifications for students with special needs; learning disabilities libraries; STEM (science, technology, engineering, math); expert performance improvement; learning technologies; sector assessments and evaluations.

LSI has provided technical assistance to developing countries, many funded directly or indirectly by the United States Agency for International Development (USAID), the U.S. State Department, UNICEF, and other international donors. Most of these international projects aim to improve primary, secondary, and tertiary education and support educational reforms that call for pre and in-service teacher education, curriculum, and materials development for all these levels, including technical and vocational training for workforce development.



FCR-STEM

The Florida Center for Research in Science, Technology, Engineering, and Mathematics (FCR-STEM) was created by the Florida Legislature and competitively awarded to Florida State University in 2007. It is another highly respected center operated by LSI faculty and staff. The mission of FCR-STEM is to help the State of Florida improve STEM teaching and learning in grades K-12 and prepare students for higher education and STEM careers in the 21st century. Through impacts on teacher knowledge and classroom practice, FCR-STEM strives to improve student achievement, narrow student achievement gaps, and increase student pursuit in STEM fields. These broad goals are addressed primarily through high-quality research, teacher professional development, and the development of innovative resources and tools to support instruction aligned with curriculum standards.

Among FCR-STEM's significant accomplishments are the impacts of professional development on teacher and student outcomes, the design and delivery of intensive professional development for over 2,500 K-12 math and science teachers in Florida, and the development of CPALMS (www.cpalms.org). The CPALMS website contains over 10,000 free lessons and other instructional resources, vetted by content and teacher experts, plus online tools to support teachers' planning and instruction. More than 200,000 Florida educators have an active account on CPALMS, and the platform has served more than 700,000,000 resource downloads.

700M

MORE THAN 700 MILLION
RESOURCE DOWNLOADS ON
CPALMS.ORG

200K

OVER 200,000 FLORIDA
EDUCATORS HAVE AN ACTIVE
CPALMS ACCOUNT

10,000

10,000 FREE LESSONS

IMPACT Driven: More than 40,000 Florida teachers have received training from CPALMS.

Our Expertise

For 53 years, LSI has been innovating and expanding its expertise. We are a multidisciplinary research and development organization dedicated to innovating learning to improve human performance. LSI's project-based teams feature top researchers from multiple departments at FSU and leading institutions globally.

The team of researchers housed at LSI constitutes the institute's core faculty. Faculty members from across the university are frequent contributors to the institute. LSI's faculty members have expertise in research design and methodology across a range of approaches and techniques.

Specific strengths of recent work include reading research, experimental and quasi-experimental research of educational programs and interventions; collection, management, and analyses of large datasets; experimental studies utilizing nested designs and hierarchical data modeling; and value-added methodologies. Most of LSI's lead research faculty hold a teaching appointment at Florida State University.



Teacher Training/ Learning

LSI has equipped tens of thousands of educators and industry professionals for success on the job by developing and delivering capacity-building workshops where participants enhance their content knowledge, improve their skills, and apply new learning in the real world.



Instructional Design & Curriculum Development

LSI supports millions of students, educators, and professionals by developing teaching and learning resources based on the expertise of subject area experts and award-winning educators and the latest research in learning and cognition, instructional design, and teaching methods.



Research, Monitoring, and Evaluation

LSI faculty are experts in a wide range of research methodologies and evaluation approaches, from large-scale randomized controlled trials to qualitative case studies. We have experience conducting research, monitoring, and evaluation worldwide, including in conflict and crisis settings.



Higher Education Capacity Building

LSI has engaged in higher education capacity building for more than 50 years. We take a collaborative, peer-to-peer approach to develop the skills of higher education faculty in various areas, including instruction, research, and administration.



Literacy

LSI faculty have deep expertise in promoting literacy in contexts around the world. Current and past projects have involved literacy materials development, teacher training, coaching, and literacy assessment development. Using evidence-based approaches, LSI faculty develop contextually-appropriate approaches in improving literacy outcomes.



Education Technology

For more than 40 years, LSI has been at the forefront of advancements in educational technology. Our faculty and staff have built applications and solutions used by millions of educators and students. Some of those innovations include CPALMS, the MySTEMKits curriculum with 3D printable manipulatives, CMAP for curriculum planning, and numerous apps and platforms. LSI creates applications that enhance teaching and learning by increasing efficiencies, making information more accessible, improving collaborations, and tools to provide just-in-time support and resources for teachers and students.



STEM Education

LSI houses The Florida Center for Research in Science, Technology, Engineering and Mathematics (FCR-STEM), a multidisciplinary research center created by the Florida Legislature and competitively awarded to Florida State University in 2007. The FCR-STEM's mission is to help the State of Florida improve STEM teaching and learning in grades K- 12 and prepare students for higher education and STEM careers in the 21st century. These broad goals are addressed primarily through high-quality research, teacher professional development, and the development of innovative resources and tools to support instruction aligned with curriculum standards.



Inclusive Education

LSI faculty are experts in creating customized services and supports to ensure all students with disabilities have the same educational, social, and future opportunities as their peers. We have more than 20 years of experience in this area, and LSI is also the home of the Florida Inclusion Network.



Policy and Standards

In the U.S. and in countries around the world, LSI advises policymakers on setting standards, developing benchmarks, and setting education sector policies related to teachers and student outcomes.