ISTeC Industrial Advisory Council Members

Accenture
AMD
Apple
Arrow Electronics
Aspen Systems
Avago
Avaya
Ball Aerospace and Technologies
BlueArc
CableLabs
CIO Source
Cisco Systems
ClickFox
Colorado Technology Assn.
Covidien
Cray
Decisions
Dell
Della Parola
DigitalGlobe
Ericsson

Esri
FedEx
Google
Hach
Hewlett-Packard
Hitachi Data Systems
IBM
i-cubed
Innovate E-Commerce
Intel
JDS Uniphase
Keysight
Kroll Factual Data
Lagrange Systems
Level 3 Communications
Lockheed Martin Space Systems
MapQuest
Microsoft
Northrop

Grumman
Oracle
Otterbox
Precog
Qualcomm
Raytheon
RICOH
Rogue Wave
Schneider Electric
Seagate
Second Sight
Silicon Graphics Int'l
Spirae
SpotXchange
SRI International
Swift Ascent
Telvent
Travelport
Woodward
Wolf Robotics
Xilinx

Students participate in the Test of Engineering Aptitude, Math and Science (TEAMS) program. The TEAMS program challenges students to work collaboratively, and apply math and science knowledge in practical and creative ways to solve real, everyday engineering problems.

Selected ISTeC Industrial Advisory Council Opportunities

- Participate in the semi-annual "ISTeC Industrial Advisory Council Retreats" to learn about and provide guidance and feedback on CSU IS&T research and education, and network with CSU faculty and other IS&T company representatives.

- Organize an "ISTeC Industry Day" where your company can come to campus for an afternoon to meet with IS&T-related faculty and students from all departments to discuss how they can use your products and interact with your company for joint R&D, internships, consulting, and jobs.

- Come to "ISTeC Distinguished Lectures" given by external senior researchers and educators, and meet with the speakers.

- Attend and suggest topics and speakers for the biennial "ISTeC FutureVisions" symposium about new directions for IS&T.

- Present career information at the annual "ISTeC High School Day" to encourage high school students to pursue IS&T-related college degree programs.

- Use the "ISTeC Headquarters" facilities, such as the video conference room and the visitor offices.

ISTeC Headquarters

- Located in the Computer Science Building
- Administrative offices of ISTeC
- Facilities for use by faculty and students involved in IS&T activities
- Videoconferencing room
- Student study lounge overlooking the foothills
- Offices for:
  Interdisciplinary researchers
  Academic and industrial visitors
  Adjunct and research faculty

ISTeC Executive Committee

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ISTeC

The Information Science & Technology Center at Colorado State University

Mission Statement:

CSU's ISTeC (Information Science and Technology Center) is a university-wide organization for promoting, facilitating, and enhancing CSU's research, education, and outreach activities pertaining to the design and innovative application of computer, communication, and information systems.

Structure:

The faculty-based ISTeC Research Advisory Committee and Education Advisory Committee plan ISTeC events, and include representatives from all of the colleges in the university.

Participants in ISTeC:

Anyone at CSU and industry interested in Information Science and Technology (IS&T).

ISTeC.ColoState.edu

Colorado State University
MORGAN LIBRARY

Selected ISTeC Education Advisory Committee Activities

Information Science and Technology Minor Program of Study-
Minor for students to develop a broad foundation in Information Science and Technology (IS&T).
istec.colostate.edu/pdf/ISP_IST/ISTMinor11May2015.pdf;
contact Pete Seel, Pete.Seel@ColoState.edu

GRAD 510/511 High Performance Computing & Visualization -
This hands-on course is intended for application developers, e.g., engineers and scientists, wishing to perform large-scale computations on the ISTeC Cray (the course takes into account significant variability in background, experience, and knowledge).
ISTeC.ColoState.edu/GRAD511;
contact Patrick Burns, Patrick.Burns@ColoState.edu

Student Fluency with IS&T -
Assessing student fluency with IS&T, and promoting activities to enhance IS&T learning across the curriculum at CSU.
ISTeC.ColoState.edu/IST_Fluency;
contact Steven Fassnacht, Steven.Fassnacht@ColoState.edu

TSA/TEAMS High School Competition -
Annual competition challenging students to work collaboratively and apply their math and science knowledge to creatively solve engineering challenges.
ISTeC.ColoState.Edu/Activities/Tsa-Teams;
contact Michael De Miranda, Michael.Anthony.De_Miranda@ColoState.edu

FutureVisions Symposium -
Biennial event for students to learn about the predicted state of IS&T in the next five years, focusing on topics proposed by faculty and industrial representatives.
ISTeC.ColoState.Edu/Activities/Future-Visions;
contact Steven Fassnacht, Steven.Fassnacht@ColoState.edu, and David Ramsay, David.Ramsay@ColoState.edu

Programming Courses Study -
Surveying and analyzing the variety of computer programming courses taught by various departments at CSU to assess and help publicize the programming courses available.
ISTeC.ColoState.edu/Programming;
contact Steven Fassnacht, Steven.Fassnacht@ColoState.edu

Vertically Integrated Projects (VIP)-
VIP unites undergraduate education and faculty research in a team-based context involving students from various levels and disciplines
VIP.ColoState.edu;
contact Candace Ryder, Candace.Ryder@ColoState.edu

ISTeC Education Advisory Committee Members

Steven Fassnacht –
Co-Chair, Warner College of Natural Resources, Department of Ecosystem Science and Sustainability

Candace Ryder –
Co-Chair, College of Business, Computer Information Systems

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Patrick Shipman –
Department of Mathematics

Wim Bohm –
College of Natural Sciences, Department of Computer Science

Michael De Miranda –
College of Applied Human Sciences, School of Education

Nancy Hunter –
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Russell Korte –
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Sophia Linn –
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Sourajeet Roy –
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Dawn E. Paschal –
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Haonan Wang –
College of Natural Sciences, Department of Statistics

Yongcheng Zhou –
College of Natural Sciences, Department of Mathematics

Don Zimmerman –
University Libraries

Selected ISTeC Research Advisory Committee Activities

ISTeC Distinguished Lectures– Lecture series of senior speakers, recommended by faculty and students, to give presentations suitable for broad audiences on hot IS&T topics.
ISTeC.ColoState.Edu/Activities/Lectures;
contact Sudipto Ghosh, Sudipto.Ghosh@ColoState.edu

Research Retreats– Interdisciplinary meetings to explore common interests, based on general topic areas (e.g., smart grid, bioinformatics).
ISTeC.ColoState.Edu/activities/retreats;
contact Dawn E. Paschal, Dawn.Paschal@ColoState.edu

Research Workshops– Workshops on focused topic areas faculty propose, for the purpose of growing CSU IS&T research groups; possibly including an external speaker.
ISTeC.ColoState.Edu/Activities/Research;
contact Dawn E. Paschal, Dawn.Paschal@ColoState.edu

ISTeC Cray High Performance Computing (HPC) System– ISTeC was awarded an NSF grant to provide to the campus this HPC system (with 2,016 compute cores, 2.5 terabytes of main memory, and 32 terabytes of disk storage), which is supporting large and complex problems in science and engineering.
ISTeC.ColoState.Edu/Activities/Cray;
contact Richard Casey, Richard.Casey@ColoState.edu

Research Communities – Analysis of how CSU faculty currently work together on IS&T grants and contracts, and the use of such studies to help build future interdisciplinary IS&T research teams.
ISTeC.ColoState.Edu/Activities/Research;
contact James Folkestad, James.Folkestad@ColoState.edu, and Stephen Hayne, Stephen.Hayne@ColoState.edu

Big Data and Data Management Study– Initiative exploring key issues and current trends in managing, analyzing, preserving, and sharing of scholarly and scientific data.
http://lib.colostate.edu/repository/nsf;
contact Dawn E. Paschal, Dawn.Paschal@ColoState.edu

Rocky Mountain Advanced Computing Consortium (RMACC)- ISTeC represents CSU in this group of universities and government labs whose mission is to improve the use of high performance computing (HPC), and increase visibility of its members and their HPC activities within the national and global science and engineering community; RMACC organizes and annual HPC symposium.
www.rmacc.org;
contact Anura Jayasumana, Anura.Jayasumana@colostate.edu