

Colorado State University Information Science and Technology Center (ISTeC)

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ISTeC Director

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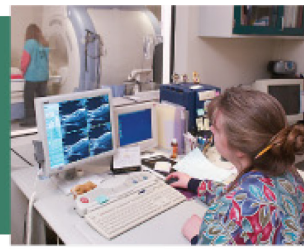
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- Information Science and Technology Center – **ISTeC**
- brief overview
- sample activities
- details: ISTeC.ColoState.edu





The Information Science & Technology Center

ISTeC.colostate.edu

- **ISTeC** – Information Science and Technology Center at CSU
- university-wide organization to promote, facilitate, and enhance CSU's IS&T research, education, and outreach activities
- IS&T at CSU: pertaining to the design and innovative application of computer, communication, and information systems
- Research Advisory Committee (RAC) & Education Advisory Committee (EAC)
 - ▲ each ~20 faculty, includes representatives of all nine colleges
- ISTE C Industrial Advisory Council: >35 active companies
 - ▲ meet each semester, advice on our activities

History of ISTeC

- **Jan. 2000:** CSU ISTeC formed
 - ▲ established an IS&T minor
- **Dec. 2001:** Strategic Plan Com. to expand scope of ISTeC
- **Dec. 2002:** Plan approved
- **May 2003:** ISTeC's RAC & EAC formed and had first meetings
- **ISTeC is across CSU colleges –** ISTeC Director reports to VPIT (member of ISTeC Exec. Com.)
 - ▲ liaison with the faculty for VPIT Office
- **Who is a member of ISTeC?**
 - ▲ anybody at CSU interested in "IS&T"



ISTeC at CSU - The Information Science & Technology Center...

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The Information Science & Technology Center **ISTeC.ColoState.edu**

Contact Information

Executive Committee

- Members
- Meeting Schedule
- Minutes
- Activities

Education Advisory Committee

- Members
- Meeting Schedule
- Minutes
- Activities

Research Advisory Committee

- Members
- Meeting Schedule
- Minutes
- Activities

Industrial Advisory Council

- Members
- Meeting Schedule
- Minutes
- Activities

Calendar of Events

Mission Statement

CSU's ISTeC (Information Science & 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.

[SP07 ISTeC Distinguished Lectures](#)

Monday, February 5, 2007
Dr. Andrew Weiner
["Ultrafast Parallel Optical Signal Processing"](#)

Saturday, February 10, 2007
[Front Range Architecture Compilers Tools and Languages Workshop \(FRACTAL\)](#)

February 28, 2007
[2007 Research Retreat Registration](#)

Sample ISTeC Activities

ISTeC Distinguished Lectures
 speakers that faculty and students recommend
[Future Vision IS&T Symposium](#)
 learn about the future state of IS&T focusing on topics proposed by faculty and students
[Annual IS&T Research Retreat](#)
 meetings for faculty and students to explore common interests based on topic areas they suggest
[ISP \(Minor\) in IS&T for Undergraduates](#)
 "interdisciplinary studies program" (minor) for students to develop, and document on their diplomas, a broad foundation in IS&T
["Coffee with CSU" IS&T Seminar Series](#)
 opportunities for faculty to give seminars at Colorado IS&T companies to establish interactions
[Annual IS&T High School Day at CSU](#)
 activities for departments/colleges to present IS&T programs to Colorado high school students and teachers for recruiting
[IS&T Faculty Expertise Database](#)
 for companies to find faculty for consulting, and faculty to find each other for research collaboration
[IS&T Research Workshops](#)
 arrange internal workshops to build CSU IS&T research groups faculty propose, including an external speaker

Done

Sample ISTeC Education Advisory Com. Activities

- **ISP (Minor) in IS&T for Undergraduates**
 - ▲ "interdisciplinary studies program" (minor)
 - ▲ develop broad IS&T foundation, courses from multiple depts.
- **Human and Computing Systems Concentration**
 - ▲ in the CS Dept. Applied Computing Technology Major
 - ▲ Human Computer Interaction and Human Factors
- **Student Fluency with Information Technology**
 - ▲ assess student information and technology fluency at CSU
 - ▲ enhance IS&T learning across the curriculum
- **Annual IS&T High School Day**
 - ▲ engage H.S. students and teachers in hands-on activities
 - ▲ encourage enrollment in IS&T programs in numerous depts.



More ISTeC Education Advisory Com. Activities

- **Biennial FutureVision Symposium**
 - ▲ to learn about the predicted state of IS&T in the next five years
 - ▲ topics and speakers proposed by faculty and IAC
- **Building Bridges for Educational Excellence**
 - ▲ enhance P-12 IS&T education in Fort Collins
 - ▲ build collaborations among P-12 teachers and CSU faculty
- **Inspire to Innovate Scholarship**
 - ▲ joint CSIA (“Colorado’s Technology Association”) and CSU
 - ▲ awarded to incoming freshmen in IS&T degree programs



Sample ISTeC Research Advisory Com. Activities

- **ISTeC Distinguished Lectures**

- ▲ external senior speakers on hot IS&T topics
- ▲ presentations suitable for broad audiences

- **Research Retreats**

- ▲ interdisciplinary meetings to explore common interests
- ▲ examples: people-animals-robots lab, bioinformatics

- **Research Workshops**

- ▲ internal workshops, each with an external guest speaker
- ▲ focused topic area, to grow CSU IS&T research group

- **“Coffee with CSU” IS&T Seminar Series**

- ▲ faculty give research seminars at Colorado IS&T companies
- ▲ build interactions, e.g., consulting, grants, and company staff pursuing graduate degrees



More ISTeC Research Advisory Com. Activities

- **Research Communities**
 - ▲ analysis of how faculty work together on IS&T grants
 - ▲ use to help build future interdisciplinary IS&T research teams
- **High Performance Computing (HPC) Study**
 - ▲ support coordination and use of HPC across campus
 - ▲ explore HPC collaborative activities and funding opportunities
- **Teaming of IS&T and “Application” Graduate Students**
 - ▲ promote courses GRAD 510/511 on HPC programming
 - ▲ IS&T and “application” graduate students to work synergistically on research problems that use HPC
- **“ISTeC PhD Scholars” Program**
 - ▲ to help recruit top IS&T PhD students
 - ▲ a small monetary award
 - ▲ involvement with the Distinguished Lecture speakers, ISTeC Research Advisory Committee, and IAC



ISTeC Headquarters

- located in new Computer Science Building (opened Jan. 2009)



- facilities for use by faculty and students involved in IS&T
- videoconferencing room
- student study lounge overlooking the foothills
- offices for
 - ▲ interdisciplinary researchers
 - ▲ academic and industrial visitors
 - ▲ adjunct and research faculty
- administrative offices of ISTECH

ISTeC Industrial Advisory Council Opportunities

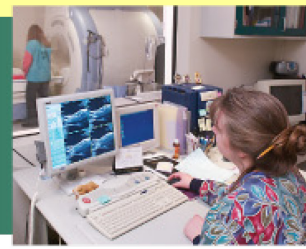
- **Semi-Annual Industrial Advisory Council Retreats**
 - ▲ learn about and provide guidance on CSU IS&T activities
 - ▲ network with CSU faculty and other company reps
- **Organize an ISTE C Industry Day**
 - ▲ meet on campus with faculty and students from all depts.
 - ▲ discuss products, joint R&D, internships, consulting, and jobs
- **“Coffee with CSU” Program**
 - ▲ CSU faculty give seminars at company sites
 - ▲ educate employees, build mutually beneficial relationships
- **Come to “ISTeC Distinguished Lectures”**
 - ▲ given by external senior researchers and educators
 - ▲ meet with the speakers



More ISTeC IAC Opportunities

- **Biennial “ISTeC FutureVisions”**
 - ▲ about new directions for IS&T
 - ▲ attend and suggest topics and speakers
- **Annual “ISTeC High School Day”**
 - ▲ present career information
 - ▲ encourage H.S. students to pursue IS&T-related programs
- **Use the “ISTeC Headquarters” Facilities**
 - ▲ videoconference room
 - ▲ visitor offices





Concluding Remarks

- sample ISTE C activities summarized
- ISTE C consists of active faculty from all nine colleges who care about CSU IS&T research, education, and outreach
- built an inter-college IS&T people-infrastructure
- enhancing IS&T intellectual environment, reputation, and funding at CSU
- providing infrastructure to assist all colleges at CSU in the design and innovative application of IS&T
- liaison with the faculty for VPIT Office