

Summer Institute in Optics and Photonics Texas State Technical College Waco

Background:

With a vision for the future, Texas State Technical College (TSTC) Waco developed the nation's first Laser Electro-Optics Technology (LET) program in 1969. Since that time, TSTC has continued to successfully train laser optics technicians for rewarding careers in the photonics industry and those industries enabled by photonics.

In an effort to increase awareness of this growing field, TSTC Waco is partnering with the National Center for Optics and Photonics Education (OP-TEC) to offer a Summer Institute in optics and photonics and its associated photonics-enabled applications. TSTC Waco currently serves as an OP-TEC partner college specializing in photonics and nanotechnology. OP-TEC is a National Science Foundation (NSF) National Center of Excellence headquartered in Waco.

Purpose:

The purpose for the Summer Institute is to provide students, teachers and counselors the opportunity to learn more about:

- the skills required to be successful in photonics-enabled careers;
- the career choices and applications of the photonics industry; and,
- the educational opportunities available through TSTC's LET and Nanotechnology program.

Who Should Attend:

- **Students (Grades 7-12)**
- **Teachers & Counselors (Grades 7-12)**
Please see reverse side for information on continuing education credit available for teachers and counselors attending the Institute!

Institute Dates: July 19-23, 2010

Participants will work daily from 8:00 AM - 5:00 PM.

Application Deadline: July 1, 2010

Curriculum:

The Summer Institute's curriculum will provide participants with classroom lecture and valuable hands-on training in the photonics skills required in the photonics industry. The curriculum will also cover basic laser and optics principles and their associated applications, career opportunities and educational program opportunities. In addition, the Institute provides the unique opportunity for students, teachers and counselors to collaborate and interact in classroom and laboratory environments.

Housing & Meals:

Housing and meals are provided by OP-TEC and TSTC Waco. Participants will be housed in on-campus housing. Local school district teachers and counselors are not required to stay on the TSTC Waco campus.

Registration Fee: None



(Over, please - application instructions on reverse side.)

Application Instructions:

Application Deadline: JULY 1, 2010

Participant Eligibility:

The Institute is open to teachers, counselors and students (grades 7-12). Students are selected based on an application. Teachers and counselors must submit an application containing information on their current job position, experience and interest in photonics and photonics-enabled technology fields.

Apply Online: www.op-tec.org/tstc

Follow the links to apply online. Teachers and counselors will complete an online application. Students will complete an online application packet. This online packet contains all necessary application materials including the online application, parent information letter and parent consent form.

Apply by Mail or Fax:

Download and print "mail or fax" application materials at www.op-tec.org/tstc. Teachers and counselors will complete an application form. Students will complete an application form packet including an application, parent information letter and parent consent form.

Registration Fee: None

There is no registration fee to attend the Institute. Participants are responsible for any travel expenses to attend the Institute.

Number of Participants:

The Institute can hold 16 total students, teachers and counselors.

Teacher & Counselor Credits:

Teachers and counselors completing the Institute will be eligible to receive continuing education credits.

Application Status Notification:

Application status notifications will be provided by July 8, 2010. All participants will be notified by e-mail. A valid e-mail address must be provided by participants on the application. Participants must notify TSTC if the e-mail address changes during the application period or prior to the Institute.

Participant Information:

Upon acceptance into the Summer Institute program, all participants will receive an e-mail containing additional information about the program, pertinent maps and location information and travel recommendations.

For More Information:

John Pedrotti

Department Chair
Texas State Technical College
Laser Electro-Optics Technology Dept.
3801 Campus Drive
Waco, TX 76705
Phone: 254-867-3173
Fax: 254-867-3175
E-mail: john.pedrotti@tstc.edu

www.op-tec.org/tstc

www.waco.tstc.edu

