



Intel International Science and Engineering Fair 2007

Presented by Agilent Technologies



May 13 – 19, 2007
Albuquerque Convention Center
Albuquerque, New Mexico

EDUCATION OUTREACH – Guided Tours for Students & Teachers May 17 and 18, 2007 By appointment ONLY

Invitation to teachers and students in New Mexico

New Mexico has the privilege of hosting the Intel International Science & Engineering Fair 2007 (Intel ISEF 2007) Presented by Agilent Technologies which will draw over 1,500 pre-college Finalists from over 47 countries, territories and regions. This will be an experience of a lifetime!

Special guided tours are set up for students in grades 5 through 11 and their teachers so they have the opportunity to meet and talk with Intel ISEF Finalists, examine the Finalists' research, participate in interactive science activities and exhibits, and explore university and industry showcase exhibits.

Registration begins January 17, 2007

One of the primary goals of Intel ISEF 2007 is to encourage students to consider and prepare for careers in science and engineering, extending the spark of discovery beyond student participants to other students visiting the fair. To this end, we are developing a variety of resources for teachers and students to help make a visit to Intel ISEF 2007 as valuable as possible. Please review these materials and schedule your visit to the fair.

Your Class Visit to Intel ISEF 2007

The visit will take about 4.5 hours. Trained guides will be assigned to each group of 30 students and their chaperones. The tour will include:

Registration (30 minutes)

Orientation (15 minutes)

Interactive Scientific Inquiry Activity (45 minutes)

Participate in a small group, hands-on activity that showcases scientific inquiry in the context of innovative industry and research applications.

The College “Science and Industry” Pavilion

New Mexico universities and cutting-edge industries will supply compelling displays, materials, devices, and designs as well as career and secondary education information.

The Intel International Science & Engineering Fair Exhibits:

Tour the Intel ISEF Exhibition Halls, view student projects and meet bright young scientists and engineers from the U.S. and around the world!

(Note: Intel ISEF 2007 Finalists will NOT be present at their exhibits on Friday, but past New Mexico Finalists will be available to speak with students).

Planning Checklist

Before registering (from now to January 17, 2007):

Check with your administration—be sure they will support you and your students’ attendance at this amazing event, including substitute coverage as needed.

Determine which students (and how many) will likely participate.

Secure commitments from required number of chaperones (plus backups). **Chaperone/Adult ratio: Elementary and Middle School 1:6 and High School 1:10**

Arrange for transportation.

If overnight lodging is required, make reservations (see Housing section).

Secure sufficient funding based on estimated costs of lodging, meals, and transportation.

Consider other activities while in Albuquerque, such as 45 minute guided tours of UNM and/or special 1 – 3 hour tours at the science museums.

UNM , Terry Babbitt, tbabbitt@unm.edu

NM Museum of Natural History and Science, chris.sanchez@state.nm.us

LodeStar Astronomy Center, litas@unm.edu

Explora, 1-505-224-8341 or reservations@explora.us

National Atomic Museum, Jim Walther, jkwalth@sandia.gov

January 17, 2007: 3:30 pm—Registration Opens!

Each school district is limited to registering 1,500 students per day!

Register online at www.intelisef2007.org/education.asp

Be ready to register right at 3:30 pm. Prime slots will fill up immediately.

You will need to have available:

Teacher, school and district contact information

Number of students and any special needs requirements

Time preferences for tour. Your first preference may be filled so have a 2nd and 3rd choice.

(**Remember: tours start on the hour from 8:00 am to 1:00 pm on May 17; 8:00 am to 11:00 am on May 18. Each tour takes 4.5 hours.)

Transportation

The NM Host Committee does not make transportation arrangements for students and teachers to attend Intel ISEF 2007. Your school district is responsible for transporting students and teachers to and from Intel ISEF 2007.

School groups must arrive at the west entrance of the Albuquerque Convention Center on Third Street between Marquette and Tijeras. Drop off will be on the Civic Plaza side. Registration will be on Civic Plaza. Bring your own sack lunches. Water will be provided.

PLEASE USE MASS TRANSIT:

ABQ RIDE (www.cabq.gov/transit) is the most efficient, economical and stress free way to move around the city and especially the downtown area. Student fares are only 35 cents and parking is never a worry.

NM Rail Runner Express (www.nmrailrunner.com) and the ABQ Rapidride have drop offs within easy walking distance of the Convention Center. You are encouraged to visit ABQ Ride website to map out your route.

UNM Shuttle – UNM is providing 600 parking spaces west of the PIT (corner of Avenida Cesar Chavez and University Boulevard) for cars and buses. Provided at no cost will be continuous shuttle service from the PIT to UNM Johnson Field (for those taking a UNM tour) to ABQ Convention Center and back to the PIT from 7:30 am to 4:30 pm on Thursday, May 17 and from 7:30 am to 2:00 pm on Friday, May 18.

Housing Options

Local hotels: Contact http://www.sciserv.org/isef/aff_fairs/aff_housing.asp to make hotel reservations.

UNM dorm rooms: UNM is holding dorm beds for up to 695 beds on the nights of May 16 and 17. School districts must contract directly with UNM Conference Guest Services, Dennis Weber, manager, at 505-277-5896. The price is \$17 a person for sleeping room and \$7 a person for breakfast at La Posada Dining Hall. The rooms will be double occupancy with some single rooms (mostly for chaperones). Halls are traditional design with community bathrooms on each wing of each floor. All beds will have linen & towels in place; the beds will not be made-up. Two resident halls will be used, one for males and one for females. Adult chaperones of the same gender must be provided for every 20 students.

Financial Assistance - For Group Transportation and Substitute Teachers

The NM Host Committee has received very limited funding to provide transportation assistance and/or funds for substitute teachers. Contact us at funds@gotoif.org and your request will be based on evidence of need. Because the funds are limited, early applicants are more likely to receive financial assistance. Applicants will be notified if monetary assistance is granted or denied as registrations are processed.

NOTE: Transportation funding financial assistance may be requested for district-contracted vehicles only. Those who request and qualify for financial support and attend Intel ISEF 2007 must stop at the School Visit Check-In Desk.

Student Behavior and Chaperones

Teachers will be responsible for their students at all times. There is no location at the fair where it is appropriate for students to be unsupervised. Teachers and students are representing their school and community at this international event. Exemplary behavior is expected and appreciated! We expect

4000 students and teachers throughout the day on Thursday and 2000 students and teachers on Friday. So that the crowds are manageable and students can have easy access to exhibits, please divide your class into groups of 6 to 10—each accompanied by an adult. You may count the volunteer NM Host Committee host as one adult.

Important Notes for Teachers

Color coded nametags will be sent to schools before coming to Intel ISEF 2007. All students must have nametags with the following information to be admitted to Intel ISEF:

First Name

Teacher's Name

School

School phone number

Note: If a student may NOT be photographed, indicate this very clearly on their nametag by writing NO PHOTO.

All teachers must bring 2 copies of the following Essential Information to be admitted to Intel ISEF. (Turn one in at the School Visitation Check-In Station and keep one with you.)

Teacher Name

School

School phone number

Student Names

Adult Chaperone Names

A cell phone number(s) that can be used to contact an adult in your group if necessary.

Design your own research investigation – resources for students and teachers

<http://www.sciencebuddies.org> Take a survey to help you know where your interests lie and learn the difference between an engineering project vs. a scientific project. This is an EXCELLENT SITE that is aligned with the international science and engineering fair.

<http://school.discovery.com/sciencefaircentral/>
Great resource with tons of ideas and suggestions

<http://stemed.unm.edu>
The Ultimate Science Fair Resource - Its name says it all.

<http://www.exploratorium.edu/ls/pathfinders/scifairs/>
The Exploratorium is a great resource for just about every step of the way.

<http://www.ipl.org/div/subject/browse/sci00.00.00/>
The Internet Public Library has extensive resources for researching your project.

<http://members.ozemail.com.au/~macinnis/scifun/projects.htm>
This site lays out how to do a research project step by step in easy to understand language.

Contact Info Education Outreach Chairs:

Dr. Patricia Wagner, wagner_p@aps.edu

Dr. Mary Jo Daniel, maryjo.daniel@state.nm.us