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News Release

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Three Young Women Win Top Honors at World's Largest Pre-College Science Competition

For Second Year in a Row, Females Dominate Intel International Science and Engineering Fair

RENO, Nev., May 15, 2009 – The Intel Foundation today announced top winners of the world's largest pre-college science fair, the Intel International Science and Engineering Fair (Intel ISEF), a program of Society for Science & the Public. Tara Adiseshan, 14, of Charlottesville, Va.; Li Boynton, 17, of Houston; and Olivia Schwob, 16, of Boston were selected from 1,563 young scientists from 56 countries, regions and territories for their commitment to innovation and science. Each received a \$50,000 scholarship from the Intel Foundation.

- Tara Adiseshan identified and classified the evolutionary relationships between sweat bees and the nematodes (microscopic worms) that live inside them. Tara was able to prove that because the two have such ecologically intimate relationships, they also have an evolutionary relationship. That is to say, if one species evolves, the other will follow.
- Li Boynton developed a biosensor from bioluminescent bacteria (a living organism that gives off light) to detect the presence of contaminants in public water. Li's biosensor is cheaper and easier to use than current biosensors, and she hopes it can be used in developing countries to reduce water toxicity.
- Olivia Schwob isolated a gene that can be used to improve the intelligence of a worm. The results could help us better understand how humans learn and even prevent, treat and cure mental disabilities in the future.

“The real end point of the Intel International Science and Engineering Fair is to elevate the recognition of achievement of the younger generation in academic and learning exercises,” said Intel Chairman Craig Barrett. “I hope that more young people will look at these students and realize they can be recognized for using their brains. You don’t have to be a quarterback, a basketball player or a baseball player to be recognized by your peers and the public.”

In addition to the three \$50,000 top winners, more than 500 Intel International Science and Engineering Fair participants received scholarships and prizes for their groundbreaking work. Intel awards included 19 "Best of Category" winners who each received a \$5,000 Intel scholarship and a new laptop powered by the Intel® Core™2 Duo processor. Intel also awarded a \$1,000 grant to the 19 “Best of Category” winners’ schools and the Intel ISEF-affiliated fair they represent. For more information on each of these and other winners, visit www.intel.com/pressroom/kits/events/isef2009.

Intel’s commitment to education extends far beyond the Intel International Science and Engineering Fair. Over the past decade alone, the company has invested more than \$1 billion, and its employees have donated more than 2.5 million hours toward improving education in 50 countries. To learn more about the Intel Education Initiative, visit www.intel.com/education.

Society for Science & the Public (SSP), a nonprofit organization dedicated to public engagement in scientific research and education, owns and has administered the International Science and Engineering Fair since its inception in 1950. Elizabeth Marincola, president of Society for Science & the Public said, “The work of these talented students and the other finalists at the Intel ISEF inspire all of us by their dedication to inquiry-based research. We celebrate the passion and remarkable achievements of Li, Olivia and Tara. We are encouraged by their intelligence, imagination and the depth of their work, and the hope it gives us for the future of our planet and our society.”

Finalists are selected annually from more than 550 International Science and Engineering Fair-affiliated fairs around the world. Their projects are then evaluated onsite by 900 judges from nearly every scientific discipline, each judge typically with a Ph.D. or the equivalent of 6 years of related professional experience in one of the scientific disciplines. A full list of 2009 finalists is available at www.societyforscience.org.

Visit the Intel International Science and Engineering Fair online press kit at www.intel.com/pressroom/kits/events/isef2009 and read blog updates at www.inspiredbyeducation.com. Follow updates on Twitter* at www.Twitter.com/IntelISEF and

on Facebook* at www.facebook.com/pages/Inspired-by-Education/32855637280?ref=ts. Video footage will be available at www.thenewsmarket.com/intel.

The following lists the 19 Best of Category winners, from which the top three are chosen:

Category	First	Last	City	State/Country
Animal Sciences	Tara	Adiseshan	Charlottesville	VA
Behavioral and Social Sciences	Olivia	Schwob	Boston	MA
Biochemistry	Anartya	Mandal	Brighton	MA
Cellular and Molecular Biology	Ronit	Abramson	San Diego	CA
Chemistry	Preya	Shah	Setauket	NY
Computer Science	Kevin	Ellis	Vancouver	WA
Earth and Planetary Science	Marley	Iredale	Sequim	WA
Engineering: Electrical and Mechanical	Alexander	Kendrick	Los Alamos	NM
Engineering: Materials and Bioengineering	Scott	Skirlo	Fairfax	VA
Energy and Transportation	Ryan	Alexander	Plano	TX
Environmental Management	Eliza	McNitt	Greenwich	CT
Environmental Science	Li	Boynton	Houston	TX
Mathematical Sciences	Eric	Larson	Eugene	OR
Medicine and Health	Asoka	Rajendra	Sterling	VA
Microbiology	I-Ching	Tseng	Taichung City	Taiwan, Chinese Taipei
Physics and Astronomy	Nilesh	Tripuraneni	Fresno	CA
Plant Sciences	Mark	Chonofsky	Lexington	MA
Team Projects - Life Sciences	Shaunak	Bakshi	Manhasset	NY
Team Projects - Life Sciences	Peter	Massey	Manhasset	NY
Team Projects - Physical Sciences	Erika	DeBenedictis	Albuquerque	NM
Team Projects - Physical Sciences	Haochen	Hong	Albuquerque	NM
Team Projects - Physical Sciences	Duanni	Huang	Albuquerque	NM

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