

GREENWICH PUBLIC SCHOOLS

NEWS

TWO GREENWICH HIGH SCHOOL STUDENTS SELECTED AS 2012 INTEL SEMIFINALISTS

(Greenwich, CT: For Immediate Release, Tuesday, January 17, 2012) Two Greenwich High School students - Ryota Ishizuka and William Hallisey - have been selected as national semifinalists in the 2012 Intel Science Talent Search (Intel STS). Each year, roughly 1,600 U.S. high school seniors enter the Intel Science Talent Search with original science projects. Of these 1600 entries, 300 students have been selected this year as semifinalists, representing the best and brightest young scientific minds in America, to eventually go on to compete for over \$1.25 million in awards and scholarships.

Ryota Ishizuka was selected for his work on the production of a fully autonomous electricity and hydrogen producing microbial based fuel cell using human biowaste influent, in a project entitled "Optimization of a Microbial Fuel Cell to Drive a Bioelectrochemically Assisted Wastewater Treatment Reactor."

William Hallisey was selected for his work on the engineering of a novel silver nanoscale, textile based water filtration system that would portably and easily remove bacteria from contaminated drinking water. The title of his research is "Electrified Nanoscale Architecture in Mixed Matrix Membranes as a Means of Rapid Throughput Water Sterilization."

The selection of the 40 national finalists will be announced on January 25, 2012.

From the Society for Science and The Public Web Site <http://www.societyforscience.org/STS>: "The Intel[®] Science Talent Search[®] (Intel STS) is the nation's most prestigious science research competition for high school seniors. Since 1942, first in partnership with Westinghouse and beginning in 1998 with Intel, SSP has provided a national stage for the country's best and brightest young scientists to present original research to nationally recognized professional scientists."

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