



**Intel finalists announced 4pm, 1/27/10, mentors include: Profs. A. Samuel, C. Simmerling, M. Rafailovich, and M. Rocek**

**Karen Kernan** to: Arthur Samuel, carlos.simmerling, Benjamin Hsiao, Miriam Rafailovich, Michael Dudley, rocek, Imihaly, Nancy Squires, Yacov Shamash, Eric Kaler, Samuel Stanley

01/27/2010 04:28 PM

Cc: Mark Aronoff, Donna Di Donato

Bcc: F.Jason Torre

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**Intel press link** (300 semifinalists & 40 finalists chosen nationwide):

<http://www.societyforscience.org/sts/results>

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**Four(4) of 40 finalists** selected nationwide in the prestigious **Intel Science Talent Search (STS)** research competition for high school seniors did their prize-winning work with Stony Brook faculty. These 2010 Intel STS finalists include:

**Yuval Calev** from Ward Melville HS, East Setauket

who worked with **Dr. Arthur Samuel** in **Psychology**

Project: Language Perception, Production, and Memory: A Comparison of Older and Younger Adults

**Ruoyi Jiang** from Ward Melville HS, East Setauket

who worked with **Dr. Carlos Simmerling** in **Chemistry**

Project: Targeting Loop Dynamics in  $\beta I/\beta III$  Isotype Tubulin: The Application of *in silico* Techniques in Combating Chemotherapy Drug Resistance

**Paul Masih Das** from Lawrence HS, Cedarhurst

who worked with **Dr. Miriam Rafailovich** in **Materials Science & Engineering**

Project: Novel Chemical Synthesis for  $>1 \mu m^2$  Graphene Sheets

**Joshua Pfeffer** from North Shore Hebrew Academy HS, Great Neck

who worked with **Dr. Martin Rocek** in **Physics & Astronomy/C.N. Yang Institute for Theoretical Physics**

Project: Super Kähler-Ricci Flow

These **Intel STS Finalists** will be presenting their work at the National Academy of Sciences, Washington, D.C., in mid-March and will compete for over \$630,000 in awards. One of the finalists, Ruoyi Jiang of Ward Melville High School who worked with Prof. Carlos Simmerling in Chemistry, was also recently awarded the \$100,000 Grand Prize (individual) in the 2009 Siemens Competition in Math, Science and Technology.

It is noteworthy that of the **300 Intel STS semifinalists** announced on 1/13/10, **34 did their**

research under the mentorship of Stony Brook faculty from the departments of Anesthesiology, Biochemistry & Cell Biology, Biomedical Engineering, Chemistry, Computer Science, the Dental School-Oral Biology, Ecology & Evolution, Geosciences, Materials Science & Engineering, Medicine, Neurobiology & Behavior, Pharmacological Sciences, Physics & Astronomy, Psychiatry & Behavioral Sciences, Psychology, the School of Marine & Atmospheric Sciences, and/or the C.N. Yang Institute for Theoretical Physics.

The names of our Intel Science Talent Search finalists & semifinalists and their SB research mentors are posted at:

<http://www.stonybrook.edu/simons/intel.htm>

### **CONGRATULATIONS TO ALL OUR STONY BROOK MENTORS!**

- Karen Kernan

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URECA Researcher of the Month: [http://www.stonybrook.edu/ureca/researcher\\_of\\_month.htm](http://www.stonybrook.edu/ureca/researcher_of_month.htm)