

IEEE Foundation

Second Place Award \$600

ENBM030 — *Rapid, Smartphone-Based Diagnosis of Skin Melanoma through Differences in Tumor Cell Thermal Regulation Combined with Diffuse Spectroscopic Analysis*

- Melissa Woo, Greenwich High School, Riverside, CT, United States of America

International Council on Systems Engineering - INCOSE

Certificate of Honorable Mention

ENBM030 — *Rapid, Smartphone-Based Diagnosis of Skin Melanoma through Differences in Tumor Cell Thermal Regulation Combined with Diffuse Spectroscopic Analysis*

- Melissa Woo, Greenwich High School, Riverside, CT, United States of America

Patent and Trademark Office Society

Top Award of \$1,000, and an American flag and a framed copy of the first patent granted in the USA

ANIM030 — *Control of Varroa destructor Infestation with a Dual-Function, Thymol-Emitting Honey Bee Hive Entranceway*

- Raina Jain, Greenwich High School, Riverside, CT, United States of America

Air Force Research Laboratory on behalf of the United States Air Force

First Award of \$750 in each Intel ISEF Category

EGPH012T — *Optimization of High-Efficiency Organic-Inorganic Lead Halide Perovskite Solar Cells via a Novel Polycaprolactone Additive Pathway*

- Anisa Verma Prasad, Staples High School, Westport, CT, United States of America
- Sirina Verma Prasad, Staples High School, Westport, CT, United States of America