



英特爾國際科學與工程大獎賽

Intel International Science and Engineering Fair



About Intel ISEF

The world's largest international pre-college science competition
現時世界上規模最大的中學生科學競賽

Founded in 1950 by Science Service (now the Society for Science & the Public)
and has been sponsored by the Intel Corporation since 1997 (end 2019)
1950年由美國科學與公眾社團 (SSP) 創辦, 1997年起由英特爾贊助 (2019 完)

Each year, approximately 7 million high school students around the globe
present their work at local science competitions with the hope of making it to the
Intel ISEF

每年, 世界各地有超過700萬名青少年參加Intel ISEF的各級聯繫賽事

Throughout the years, Intel ISEF has nourished numerous talented young
scientists around the globe, and thus has come to be known as the cradle for
young scientists. Over 20 Nobel Prize Winners in Science have previously won
awards at the Intel ISEF.

多年來, Intel ISEF為世界各地培育了不少科學人才, 可以說是「青年科學家的搖籃」, 歷屆得獎者當中更有20多名諾貝爾獎得主



About Intel ISEF

The HKNGCA has been the regional organizer of Intel ISEF in Hong Kong since 2003, selecting the best and most innovative local projects to represent the Hong Kong SAR in the competition every year (max 6 projects & 12 students)

香港新一代文化協會自2003年起成為Intel ISEF之香港區承辦機構，每年負責甄選最優秀的科研項目代表香港特別行政區赴美參賽 (最多6個項目及12位學生)



About Intel ISEF

Each May, more than 1800 students from roughly 78 countries and territories arrive to compete in the fair.

每年5月，吸引來自全球78多個國家和地區的1800餘名少年科學家匯聚在美國，進行競賽。

Awards include:

1) Intel ISEF Grand Awards 英特爾大會獎 (US\$500-\$3000)

[一等及二等大獎 得主的姓名會被「國際天文學聯盟」用作命名天上一顆小行星!]

2) Intel ISEF Best of Category Awards 英特爾分類獎項最佳獎 (US\$5000)

3) The Dudley R. Herschbach SIYSS Award

斯德哥爾摩國際青年科學研習獎 (Attend Nobel Prize Award Ceremony)

4) The Intel Foundation Young Scientists Award (US\$50,000)

英特爾基金會青年科學家獎

5) The Gordon E. Moore Award 高登·厄爾·摩爾獎 (US\$75,000)

About Intel ISEF

Each year around 25% of the students in the World Final win an award

每年在世界賽獲獎的學生約 25%

But for Hong Kong students (since 2004), our success rate is :

但香港學生 (自2004年) 獲獎的比率為:

60%

Intel ISEF Project Categories:

- Animal Sciences
- Behavioral and Social Sciences
- Biochemistry
- Biomedical and Health Sciences
- Biomedical Engineering
- Cellular & Molecular Biology
- Chemistry
- Computation Biology and Bioinformatics
- Earth & Environmental Sciences
- Embedded Systems



Intel ISEF Project Categories:

- Energy: Chemical
- Energy: Physical
- Engineering Mechanics
- Environmental Engineering
- Material Science
- Mathematics
- Microbiology
- Physics and Astronomy
- Plant Sciences
- Robotics and Intelligent Machines
- Systems Software
- Translational Medical Sciences



Judging Criteria

	Individual(%)	Team(%)
Creative Ability	30	25
Scientific Thought and Engineering Goals	30	25
Thoroughness	15	12
Skill	15	12
Clarity	10	10
Teamwork	--	16

Application

Closing Date for Application: 16 November 2018

Forms and Documents Required for ALL Application:

1. Application Form

2. Checklist for Teacher (to be filled by guiding teachers)

3. Research/ Invention Report

(10 copies, each must be attached with Abstract and Research Plan)

***** All forms and documents could be downloaded from :**

<http://sic.newgen.org.hk> (HK)

<https://student.societyforscience.org/intel-isef> (International)

Schedule of Intel ISEF 2019

Schedule	
16 Nov 2018	Deadline for Application & Project Submission
6 Dec 2018	*Preliminary Judging
7 Dec 2018	Result Release of Preliminary Judging
15 Dec 2018	Hong Kong Regional Final
18 Dec 2018	Result Release of Hong Kong Regional Final
Jan-May 2019	Training Workshops/Meetings
12-17 May 2019	Intel ISEF at Pheonix , USA
Late May 2019	Hong Kong Regional Press Conference

*Winners who obtained First, Second and Third place award in Hong Kong Youth Science and Technology Innovation Competition 17-18 & The 33rd China Adolescent Science & Technology Innovation Contest can enter directly into Hong Kong Regional Final on 15 December.

Hong Kong Regional Final



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International Rules and Guidelines 2019

Q&A