



# *CityU Science Patent Challenge*

## *Information Session*

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*Associate Dean – Outreach & Internationalisation*

*College of Science, CityU*

# About the Patent Challenge

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- **Unconventional STEM Competition**
  - Any scientific-technological inventions for the good of humanity
  - Innovative enough to win patent protection
- In line with our **Global Research Enrichment and Technopreneurship (GREAT)** programme
  - To nurture students who are interested in pursuing a career in scientific research or starting business ventures
- **Patent filing as an award → Be a Real Inventor !**

# Patent Challenge – An Overview



# *Patent Challenge – Participation*

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- **School-based submission:** each school can submit **at most 2 entries**
- Each entry can be either on an **individual basis or team basis (8 students max per team)**; each entry should have **a mentor teacher**
- You still have time to decide the number of entry and team members (information provided in your submission by 29 Dec 2023 is considered to be final)

# *About Your Invention*

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- Any **scientific-technological inventions** for the good of humanity
- Should be **innovative, scientifically sound & practical**
  - Innovation idea SHOULD NOT BE published/submitted elsewhere before!!!
- Production of Prototype is not necessary

# *Submitting Your Invention Idea*

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- The Mentor Teachers will submit the students' invention ideas in the format of:
  - a **PowerPoint deck (max. 20 slides)**, or a **Video (max. 5 min)**
  - Must be in **English**
- Each student and mentor has to sign an Agreement on Confidentiality

# *Suggested Content of Your Submission*

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- Title of your invention
  - e.g. A rapid colorimetric nitrite detection method based on ruthenium complexes
- Details and Contribution of each team member
  - Conceptualization, methodology, investigation, prototype fabrication, submission preparation

# *Suggested Content of Your Submission*

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- Invention Description

1. Detailed technical description; specify novel features of your invention
2. The main functions and applications of your invention
3. Advantages of your invention over existing technology/product(s) on the market
4. Status of your research (inception of idea / proof of concept / production of prototype)

# Patent Challenge – An Overview



Registration deadline: 6 Oct 2023  
Conducted in Cantonese,  
supplemented with English materials

Online Consultation Session  
(optional & by appointment,  
16 Oct 2023 – 15 Dec 2023)

Preliminary Submission  
(optional, deadline: 30 Nov 2023)

2-page WORD document in English,  
can include figures or photos

14 Oct 2023 (Sat)  
Half-day Intellectual Property  
Workshop (Optional)

29 Dec 2023 (Fri)  
Deadline for Invention  
Idea Submission

Shortlisting by Judges

17 Feb 2024 (Sat)  
Pitching to Judging Panel

Next Stage for Gold  
and Silver Awardees

# *Shortlisting & Pitching to Judging Panel*

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- Shortlisting: Early to mid-Jan 2024
- The College of Science will announce the shortlisted entries (about 8-12 entries) for the Final Pitch by 31 Jan 2024
- Pitching: 17 Feb 2024 (Sat); venue: CityU
  - 10 mins per shortlisted team to present the invention in front of the judging panel, followed by a Q&A session (English)

# Awards

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- A total of **8 - 12 Awards (Gold, Silver & Bronze)** depending on the quality of submissions
- The College of Science will instruct a patent attorney to file an application for one *Hong Kong short-term patent* for the invention of each of the Gold and Silver Award winning teams
- The application for the patent will be filed in the name of the school

# Patents from our Winning Teams (2022)



知識產權署專利註冊處  
Patents Registry  
Intellectual Property Department



香港特別行政區政府  
The Government of the Hong Kong  
Special Administrative Region

## 批予短期專利證明書

《專利條例》(第 514 章)

### CERTIFICATE OF GRANT OF SHORT-TERM PATENT

Patents Ordinance (Chapter 514)

茲證明下述短期專利在今日批予:

*I hereby certify that a short-term patent with the following particulars has been granted today:*

專利編號 Patent No.: HK30085207      申請編號 Application No.: 32023072682.2

專利所有人姓名或名稱及地址 Name and Address of Proprietor:

拔萃女書院  
Diocesan Girls' School  
1 Jordan Road, Kowloon  
HONG KONG

發明名稱 Title of Invention:

一種太陽能電池板裝置和系統  
A SOLAR PANEL DEVICE AND SYSTEM

短期專利有效期(在符合續期的規定下) Term of Short-term Patent (subject to renewal):

由 09.05.2023 起計 8 年  
Eight years commencing on 09.05.2023

知識產權署專利註冊處  
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茲證明下述短期專利在今日批予:

*I hereby certify that a short-term patent with the following particulars has been granted today:*

專利編號 Patent No.: HK30086393      申請編號 Application No.: 32023072962.8

專利所有人姓名或名稱及地址 Name and Address of Proprietor:

保良局顏寶鈴書院  
Po Leung Kuk Ngan Po Ling College  
26 Sung On Street, Tokwawan, Kowloon  
HONG KONG

發明名稱 Title of Invention:

一種液體唇膏製備裝置  
A LIQUID LIPSTICK PREPARATION APPARATUS

短期專利有效期(在符合續期的規定下) Term of Short-term Patent (subject to renewal):

由 15.05.2023 起計 8 年  
Eight years commencing on 15.05.2023

*Thank You*

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<https://www.cityu.edu.hk/csci/local-school-outreach/cityu-science-patent-challenge-2023-24>

