

## 香港地區系外行星世界命名活動 規則及參加辦法

### 1. 活動時間表：

- 1.1. 6 月上旬：活動發佈
- 1.2. 7 月：宣傳及公眾教育
- 1.3. 8 月上旬：公佈參加辦法及接受提名
- 1.4. 9 月 30 日：截止提交提名
- 1.5. 10 月上中旬：篩選評審，選出 10 至 20 組名稱供公眾投票
- 1.6. 10 月下旬：接受公眾投票選出最高票數三組
- 1.7. 11 月上旬：天文界評審團在該三組中決定正選及兩組後備命名
- 1.8. 11 月 15 日前：交 IAU 審批
- 1.9. 12 月：IAU 公佈命名結果

### 2. 提名資格／辦法：

- 2.1. 參加者必須為香港永久居民
- 2.2. 提案可以個人名義或團體名義提交
- 2.3. 團體只限於學校或註冊非牟利社團
- 2.4. 於截止日期前填妥及遞交提名表格
- 2.5. 提案中應包括一個命名主題，並根據這主題提議兩個名稱：一個用於系外行星，另一個用於其所環繞的母恆星
- 2.6. 提案可以用中文、英文，或中文及英文
- 2.7. 以不多於 100 字簡介命名理由

### 3. IAU 規定的命名規則：

- 3.1. 命名可以是具有長期文化歷史意義或地理意義，並值得透過命名天體來紀念的人、地方或事物
- 3.2. 可以與天空或天文的主題有關
- 3.3. 或以某種方式與系外行星系統所在的星座（寶瓶座）有關
- 3.4. 系外行星和其母恆星的命名應該以同一主題作根據
- 3.5. 命名主題的描述應該簡明及容易理解
- 3.6. 應有足夠廣泛性以便當發現新行星、新伴星時可按照同一主題命名；例如某國家或地區的河流，或該國的 19 世紀故事中的虛構地方等等
- 3.7. 提名可用中文或英文，但最終獲提交給 IAU 的名稱須譯成英文
- 3.8. 翻譯後名稱長度應在 4 至 16 個英文字母之間（包括空格）
- 3.9. 最好是一個單詞
- 3.10. 可發音（在某些語言中）
- 3.11. 無冒犯性
- 3.12. 與現有天體名稱不同或不太近似。可使用以下連結查詢天體已有的名稱：
  - i. IAU 小行星中心(MPC)小行星名稱數據庫 [https://minorplanetcenter.net/db\\_search](https://minorplanetcenter.net/db_search)
  - ii. 銀河系內與河外天體名稱 <http://cds.u-strasbg.fr/cgi-bin/Sesame>
  - iii. IAU 行星、矮行星、衛星名稱 <https://planetarynames.wr.usgs.gov/Page/Planets>



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- iv. IAU 恆星名稱 [https://www.iau.org/public/themes/naming\\_stars/](https://www.iau.org/public/themes/naming_stars/)
- v. IAU 太陽系外行星名稱 <http://www.nameexoworlds.iau.org/naming-rules>

3.13. 不允許提出以下類型的命名提案

- i. 純粹或主要屬於商業性質
- ii. 與政治、軍事、宗教人物有關的地點或事件名稱
- iii. 去世少於一個世紀（即 1919 年後）的人的名稱
- iv. 在生的人的名稱
- v. 與此次命名篩選有關的組織名稱
- vi. 寵物的名稱
- vii. 人造詞（即新的，編造的詞）
- viii. 首字母縮略詞
- ix. 包含數字或標點符號的名稱（可容許變音符號）

3.14. 只可提議不受商標或其他形式的知識產權聲明保護的名稱

3.15. 所有提案名稱在翻譯後的引述（即命名理由）都應不超過 100 個英文單詞

3.16. IAU 將通過籌劃指導委員會對公眾投票出的名稱作最終決定

3.17. 被選定的公眾名稱將不會取代科學上的編號（字母和數字）的名稱，但將被 IAU 認可並適當地作為該天體的公用名稱予以發表，並署名該提案的提名人。該公眾名稱可在國際上與科學名稱一起使用，或可替代科學名稱並永久且無限制地使用。

4. 提交方法：

4.1. 於網頁 <http://www.iaunochk.org/nameexoworlds/> 填寫表格並遞交

4.2. 下載提名表格 PDF 檔，填妥並提交

- i. 經電郵提交 [nameexoworlds@iaunochk.org](mailto:nameexoworlds@iaunochk.org)
- ii. 或放入以下地點的提名表格收集箱：
  - a) 太空館詢問處
  - b) 可觀自然教育中心暨天文館

5. 備註：

5.1. 如有變更，以網頁 <http://www.iaunochk.org/nameexoworlds/> 最新公佈為準。

5.2. 此規則如有爭議，以英文為準。

5.3. 所有評審結果，以評選團的最後決定為準。如有任何爭議，主辦單位擁有最終決定權。

5.4. 如有查詢請電郵至 [enquiry@iaunochk.org](mailto:enquiry@iaunochk.org)

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### 1 Schedule

- 1.1 Early June: Announcement of the NameExoWorlds Project
- 1.2 July: Publicity and public education
- 1.3 Early Aug: Announcement of the selection process and receipt of nominations
- 1.4 30 Sept: Nomination deadline
- 1.5 Early to mid Oct: Selection of 10 to 20 nominations for public voting
- 1.6 Late Oct: Public voting to determine the top 3 nominations
- 1.7 Early Nov: Ranking of the 3 nominations by the Selection Committee
- 1.8 Before 15 Nov: Submission of the ranked nominations to the IAU
- 1.9 Dec: Announcement of the validation by the IAU

### 2 Nomination Criteria

- 2.1 All Hong Kong permanent residents are eligible.
- 2.2 Nominations may be made by an individual or an organization.
- 2.3 Organizations are restricted to schools or registered non-profit making organizations.
- 2.4 Completed nominations should be submitted on or before 30 Sept 2019.
- 2.5 A nomination should consist of two names, one for the exoplanet and the other for the host star to which the exoplanet orbits; the two names should follow the same naming theme.
- 2.6 Nominations could either be in Chinese or English, or in both Chinese and English.
- 2.7 A brief description of 100 words or less about the naming theme of the nomination.

### 3 IAU Naming Criteria

- 3.1 The proposed names should be of things, people, or places of long-standing cultural, historical, or geographical significance, worthy of being memorialized through naming of a celestial object.
- 3.2 The names may be drawn from themes related to the sky or astronomy.
- 3.3 Or related in some way to the constellation Aquarius that the exoplanetary system lies in.
- 3.4 The two names should follow a common naming theme.
- 3.5 The naming theme should be simple and easy to understand.
- 3.6 And be broad enough that additional names could be drawn from the literature to name additional objects in that exoplanetary system in the future, e.g. when additional planets and stellar components are subsequently discovered.
- 3.7 Nominations could be in Chinese or English but the final submission to the IAU has to be translated into English.
- 3.8 Proposed names (after translation as necessary) should be between 4 and 16 characters in length, including spaces.
- 3.9 Preferably one word.
- 3.10 Pronounceable.
- 3.11 Non-offensive.
- 3.12 Not identical to, or too similar to, an existing name of an astronomical object. Names already assigned to astronomical objects can be checked against the following lists:
  - i. IAU names for asteroids in the Minor Planet Center database;  
[https://minorplanetcenter.net/db\\_search](https://minorplanetcenter.net/db_search)



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- ii. Names of galactic and extragalactic objects; <http://cds.u-strasbg.fr/cgi-bin/Sesame>
- iii. IAU names for planets, dwarf planets, and satellites;  
<https://planetarynames.wr.usgs.gov/Page/Planets>
- iv. IAU names for stars [https://www.iau.org/public/themes/naming\\_stars/](https://www.iau.org/public/themes/naming_stars/); and
- v. IAU names for exoplanets <http://www.nameexoworlds.iau.org/naming-rules>

3.13 It is not allowed to propose names:

- i. of a purely or principally commercial nature;
- ii. of individuals, places or events principally known for political, military or religious activities;
- iii. of individuals that died less than a century ago (1919);
- iv. of living individuals;
- v. of organizations related to the selection;
- vi. of pet animals;
- vii. of a contrived nature (i.e. new, invented);
- viii. of acronyms; or
- ix. that include numbers or punctuation marks (diacritics are acceptable).

3.14 Only names that are not protected by trademarks or other forms of intellectual property claims may be proposed.

3.15 All the proposed names should come with a citation of not more than 100 words in English after translation.

3.16 The decision of the IAU, via the Steering Committee is final.

3.17 The selected public names will not replace the scientific alphanumeric designations but will be recognized by the IAU as the appropriate publicly used name for the object(s). The public name may then be used internationally along with, or instead of, the scientific designation, permanently and without restrictions.

#### 4 Submission of Nominations

4.1 To complete and submit the form on the website <http://www.iaunochk.org/nameexoworlds/>

4.2 To submit the completed pdf form via:

- i. the email address: [nameexoworlds@iaunochk.org](mailto:nameexoworlds@iaunochk.org)
- ii. or to drop the nomination form at the collection box at:
  - a) the enquiry counter of the Hong Kong Space Museum
  - b) Ho Koon Nature Education cum Astronomical Centre

#### 5. Remarks

5.1 Any change will be announced at the website <http://www.iaunochk.org/namesexoworlds>

5.2 If there are any disputes concerning this Guide, the English version prevails.

5.3 All assessment results will be based on the decisions of the Selection Committee. Should there be any dispute, the organiser has the final decision authority.

5.4 Any enquiry please email to [enquiry@iaunochk.org](mailto:enquiry@iaunochk.org)