

# Public Relations and Training

## Recent Public Relations Activities 最近の広報活動

- Presentation at the IOTA meeting on July 15-16, 2023  
The presentation file is available from here  
[https://www.occultations.org/meetings/NA/2023/Meeting/2-2%20Setting%20up%20IOTA-EA%20IOTA2023\\_Fumi%20Yoshida.pdf](https://www.occultations.org/meetings/NA/2023/Meeting/2-2%20Setting%20up%20IOTA-EA%20IOTA2023_Fumi%20Yoshida.pdf)
- Poster Presentation at Asia-Pacific Regional IAU Meeting (APRIM) on August 7-11, 2023  
<https://aprim2023.org>



International Occultation Timing Association, East Asia (IOTA/EA) will be established in this summer

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<sup>1</sup>University of Occupational and Environmental Health, Japan, <sup>2</sup>Chiba Institute of Technology, <sup>3</sup>Saga Hoshizora Astronomy Center, <sup>4</sup>UJIN, <sup>5</sup>NAOJ, <sup>6</sup>National Museum of Nature

The International Occultation Timing Association / East Asia (IOTA/EA) is a new East Asia occultation group. It will be officially formed after the inaugural meeting to be held on August 27, 2023. If you are interested in joining us, please contact us via email: [iota\\_ea\\_contact@googlegroups.com](mailto:iota_ea_contact@googlegroups.com). You who do not live in East Asia are also welcome if you are interested in occultation observation!

**IOTA/EA**  
 Chairperson: Fumi Yoshida  
 Secretary: Tsutomu Hayamizu  
 Officers: Toshihiro Horaguchi, Kazuhisa Miyashita, Hiromoto Noda, Hiroshi Akitaya, Hayato Watanabe, Mitsuru Soma

**Structure of IOTA/EA**  
 IOTA/EA is a non-profit organization established in 2023. Its purpose is to promote occultation observation in East Asia and to provide information to occultation observers in the region.

**Background on the organization of IOTA/EA**  
 We need you! IOTA/EA is a non-profit organization established in 2023. Its purpose is to promote occultation observation in East Asia and to provide information to occultation observers in the region.

**Prediction list for East Asia Observers**  
 The IOTA/EA will release the prediction list for occultation observations in East Asia. The prediction list will be available on the IOTA/EA website.

**Data Archive**  
 We will archive occultation data for the occultation events observed by IOTA/EA members. The data archive will be available on the IOTA/EA website.

- Article in HOSHI NAVI

**星ナビ** 8月号  
 8月12-14日 ベルセ群を観測  
 2023 August

**東アジア遠征推進 掩蔽観測の国際組織「IOTA/EA」設立**  
 東アジア遠征推進 掩蔽観測の国際組織「IOTA/EA」設立。この組織は、東アジア地域の観測者を支援し、観測の機会を増やすことを目的としています。

**IOTA/EA Website** <https://www.pccr.it-chiba.ac.jp/iote-ea/vp/>

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**Symbol Mark Public Call and Observation Plan for FY2023**  
 We will call for public participation in occultation observations in East Asia. The observation plan for FY2023 will be available on the IOTA/EA website.



Poster at the APRIM

# Public Relations and Training

After the formation of IOTA/EA, the following will be done in September.  
IOTA/EA設立を受けて、「Occultation Astronomy」と「天文月報」に記事を書きます。

- Submit an article about the formation of IOTA/EA to the Journal for Occultation Astronomy (JOA). <https://iota-es.de/joafree.html>
- Write an article for the Astronomical Herald (A monthly magazine published by the Astronomical Society of Japan) <https://www.asj.or.jp/jp/activities/geppou/>



# Public Relations and Training

The Japanese Occultation Observation Group has been conducting occultation observation workshops since 2021.

The workshop is open to researchers, teachers, and students to learn the knowledge, equipment, and procedures necessary to perform occultation observations of small solar system objects using small telescopes.

- **1st Session:** December 2-3, 2021 @ Kobe CPS (lecture, analysis practice)
- **2nd Session:** October 21, 2022 @ Hokkaido University (lecture, analysis practice, with real observation)

Please see here for the details of the workshop.

<https://fumi-yoshida.wixsite.com/occultation-ws>

Observation manuals and analysis software can also be downloaded from here. They are currently available in Japanese only. English is in preparation.

IOTA/EAでは2021年から始まった掩蔽観測ワークショップを引き続き行い、観測者の技術向上と掩蔽観測の普及に努めます。

第二回 2022年10月21日@北海道大学 (座学、解析実習、観測実習付き)

第一報 第二報 講習会講師紹介 参加者 only >

ワークショップに関するご案内は上のボタンからご覧ください。



第一回 2021年12月2-3日@神戸CPS

第一報 第二報 使用するソフトウェア 観測マニュアル 講習会講師紹介 参加者 only >



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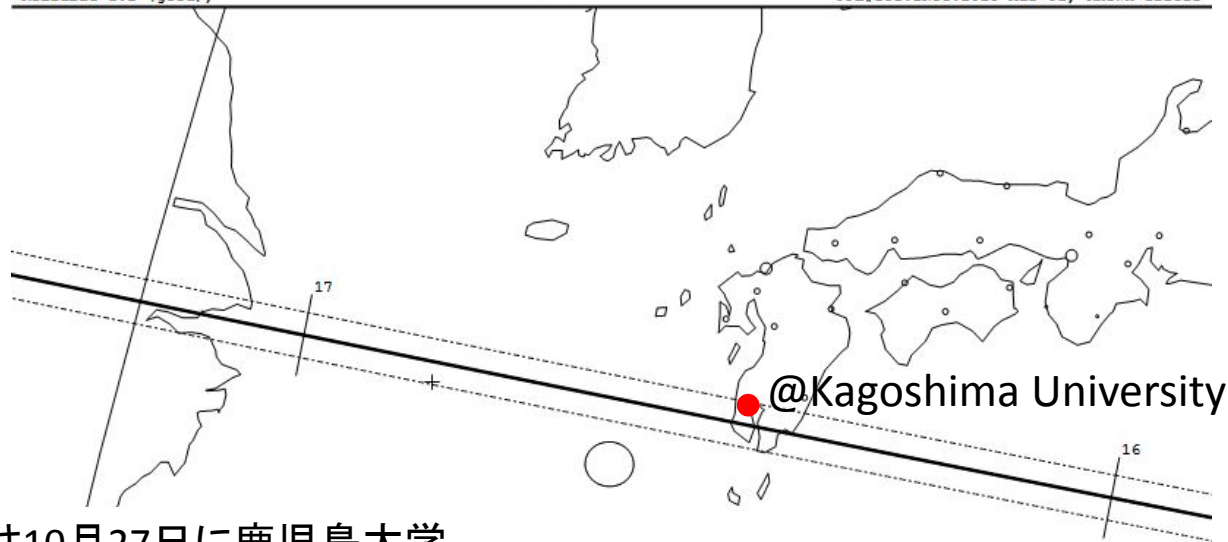
- **3rd Session: October 27, 2023 (UT)** at Kagoshima University. (planning)

The 3<sup>rd</sup> workshop will be followed by occultation observations of 2005UD.

Details will be posted on the IOTA/EA web page and announced to IOTA/EA members via the mailing list.

- The workshop will continue to be an IOTA/EA activity at least once a year.

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155140 2005 UD occults TYC 3313-00763-1 on 2023 Oct 27 from 15h 10m to 15h 20m UT
Star: (Dia < 0.1 mas)           Durations: Max = 0.05 secs           Asteroid:
Mv 9.1; Mb 9.2; Mr 9.0          lkm = 0.050 secs, lmas = 0.052 secs   Mag = 20.9
RA = 3 35 19.9679 (astrometric)  Mag Drop: 11.8 [100%]v, 11.5 [100%]r  Dia = 1.00 ±0.10km, 1.0 mas
Dec = 45 25 47.299              Sun : Dist = 142°                     Parallax = 6.153"
[of Date: 3 37 0, 45 30 33]      Moon: Dist = 51°, illum = 98%          Hourly dRA = -6.786s
Prediction of 2023 Aug 13.0       Error 36.3 x 33.3 mas in PA 93°        dDec = 14.00"
Reliable 1.2 (good),              JPL#131:INTG:2023-Mar-01, Known errors
```



Occultation zone of 2005UD

第三回掩蔽観測ワークショップ(WS)は10月27日に鹿児島大学で行います。只今打ち合わせ中。WS後に2005UDの掩蔽観測に出動です詳しくはwebとメーリングリストで。IOTA/EAでは年1回のWSを継続したいと思います。