

---

# ADMC2017 Article Title

1st Author Name  
Affiliation  
e-mail address

2nd Author Name  
Affiliation  
e-mail address

3rd Author Name  
Affiliation  
e-mail address

4th Author Name  
Affiliation  
e-mail Address



**Size:** Width x Depth x Height (Unit) (Description sample of an outline dimensions, 120W x 120D x 120H (mm), serif font, 10pt)

**Keywords:** keyword1, keyword2, keyword3 (up to 3phrases, serif font, 10pt)

---

## 1 Headline (serif font, bold, 12pt)

idea, method, technique

Please submit a PDF written in only English (serif font, 10pt)

Pages : 1 or 2pages

Asian Digital Modeling Content 2017

We invite you to submit an original design of 3D model that can be fabricated by a 3D printer. The selected designs for the final contest will be presented at the exhibition venue. We will invite the authors of the selected models to the final contest, in order to explain their design works. The exhibition and final contest of ADMC will be held during AFGS 2017 (Asian Forum on Graphic Science) in Tokyo.

For more information, please check the ADMC web site.

<http://admc2017.graphicscience.jp/>

This contest is supported by JSPS KAKENHI Grant Number JP16HP0706.

Awarded works of (past) Japan Digital Modeling Contests

URL: <http://www.graphicscience.jp/contest/list.html>

Organized by Japan Society for Graphic Science

Submission Due: February 2017

Exhibition / Final Contest: August 2017

Exhibition Venue: Tokyo

## 2 Headline

production process, the explanation of the work, additional images

The 11<sup>th</sup> Asian Forum on Graphic Science

The 11th Asian Forum on Graphic Science (AFGS2017) will be held in Tokyo, Japan. The AFGS2017 aims at providing a forum for presentation and discussion of both academic and industrial research involving Computer Graphics and Graphics Education as well as other related fields. The official conference language is English.

Selected papers will be invited to submit to some journals.

Participants of AFGS 2017 are not limited to Asian region and people from all over the world can join the conference.

At the venue of AFGS2017, the exhibition and final contest of Asian Digital Modeling Contest 2017 (ADMC2017, <http://admc2017.graphicscience.jp/>) will be held as well.

ASIAN DIGITAL MODELING CONTEST 2017  
7-10 AUGUST, 2017, TOKYO, JAPAN

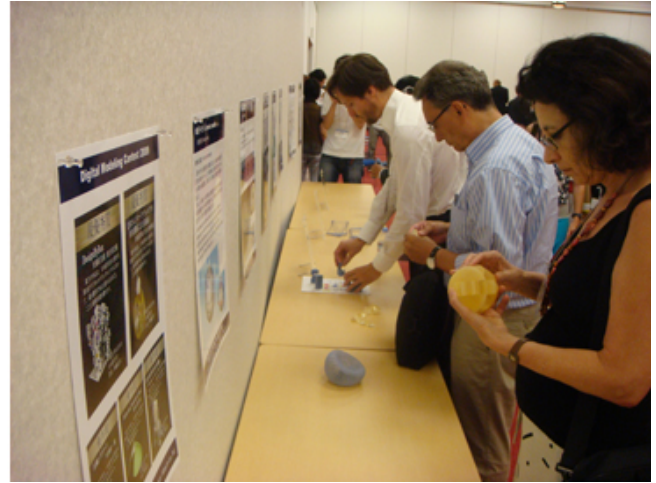


Figure 1: Sample of a wide figure. Caption (serif font, 9pt, numbered, e.g)

**Three-Silhouette Solid: WHO and HOW**  
Tomohiro Ohgami and Kokichi Sugihara

**Description**

When we go around this solid, three different silhouettes, W, H and O, appear one by one. It is not so difficult to realize two silhouettes in mutually orthogonal directions (actually, Shigeo Fukuda created many artworks by this method), but it is difficult to realize three given silhouettes in one solid.

Three-silhouette solids might give us new directions of applications of 3D objects, such as sculptures, 3D logos and trick art.

**Method**

Given three silhouettes, we first generate the cylinders by sweeping the silhouettes, and next generate their intersection.

The intersection does not realize the silhouettes in general; some part of the silhouettes will be cut off by other silhouettes.

So, we search for the mutual angles and relative locations of the cylinders so that all the three silhouettes are realized.

We avoid costly exhaustive search by a hill climbing method based on a heuristic measure of goodness.

**HOW**

**Digital Modeling Contest 2010**  
Japan Society on Graphics Science cosponsor Altech co.,ltd

Figure 2: Example of Poster



Figure 3: example

### 3 Software & System

Please write your used software and system.

### References

All references should be listed according to the order of the citation. Put the citation number in square brackets [ ]. Please include the following information in each reference.

- author(family-name-first style)
- *title(italic)*
- name of the publication
- publisher
- issue
- page(s)
- year

e.g. (journal)

[1] Sutherland, I. E., *Ten Unsolved Problems in Computer Graphics*, Datamation, Vol. 12, No. 5, pp. 22-27, 1966.

e.g. (book)

[2] Rowling, J. K., *Harry Potter and the Deathly Hallows*, Arthur A. Levine Book

Table 1: Example of Table

Objects	Caption
Tables	Tables
Tables	Tables