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Author: Mr. Taichi Yamazaki  
ASTRAX, Inc., Japan, taichi.yamazaki@astrax-by-iss.com

Mr. Sota Koike  
ASTRAX KIDS, Japan, hokenshien\_center\_koike@yahoo.co.jp

Mr. Yo Okabe  
ASTRAX KIDS, Japan, makkio.mts3@gmail.com

”SPACE SCOOTER”: SPACE MOBILITY SYSTEM USING IN SPACE HOTELS AND SPACE STATIONS

**Abstract**

There is no mobility equipment used inside of spacecraft yet. Space services company ASTRAX is developing some types of Zero Gravity Scooter and Space Scooters to move inside of space hotel.

They were born from demand of passengers of zero gravity flights in Japan who wanted to fly like a witch or Harry Potter on a broom. ASTRAX has been developing 3 type of zero gravity scooters so far.

These are very useful manned mobility system in zero gravity environment and it is very innovative idea.

In this paper, concept and design of these 3 type of zero gravity scooters and new type of space scooter will be introduced.