

- [SA Poll of the Month: answer this month's question here](#) -

News and Announcement

[ICES]: June 17: Deadline for early bird registration.

[ICES]: July 14-18: the 43rd ICES at [Vail Marriott](#), Vail, Colorado, USA.

Space Architecture session is **ICES 502**. Details can be found on [spacearchitect.org website](#).

[ICES]: 4 papers accepted for presentation in the Space Architecture session.

[AIAA Space]: September 10-12: AIAA Space 2013 Conference & Exposition at

[San Diego Convention Centre](#), San Diego, California, USA.

[IAC]: June 15: Deadline for [early-bird registration](#).

[IAC]: September 23-27: the 64th IAC at [China National Convention Centre](#), Beijing, China.

Mailing list highlights:

[Things a Space Architect should know about: radiation shielding.](#)

[The ball gets rolling on the Space Architecture Committee on Standards team.](#)

Poll of the Month

May 2013 Poll Results

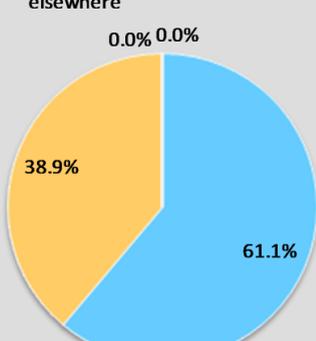
Many thanks for your ongoing support to **The Orbit**. The monthly newsletter is doing a decent job providing information regarding space architecture according to the latest poll results.

Many respondents considered that the current scope and format of the newsletter is well suited to the space architecture community at present, and that it can continue to grow and improve to accommodate future needs.

Some specific ideas of how to improve the newsletter have been suggested as comments to the poll. These include: providing articles that cover more in-depth information, encouraging better member participation, and reducing the frequency of the newsletter issue to quarterly or fourth-monthly. These suggestions will be considered by the editorial team.

If you would like to discuss or comment on this topic, you can start an email discussion thread [here](#).

- It is great. I like it
- It is a good start, but it can be better
- It is okay. Having something is better than nothing.
- Time and efforts are better spent elsewhere



poll counts = 18

June 2013 Question:

To call the "one-way-trip-to-Mars" proposal by the Dutch company Mars One controversial would be an understatement. While serious doubts have been expressed on nearly all aspects of the proposal by experts in the field, it has certainly captured the public imagination, and tens of thousands of volunteers have already applied for the trip.

Given that most architects and designers tend to be very conscious to health and safety concerns and minimising risks, as required by laws and professional codes of conduct, Mars One's apparent approach of "taking extreme risks for the chance of extreme prestige" is such an alien concept that it could be hard to stomach, if not outright denouncing it as against our professional values.

However, even a partially successful attempt of the mission could yield invaluable first hand data on human factors design that goes beyond Earth orbital flights, decades in advance of any other alternatives. From the design perspective, one would be creating a permanent home instead of a transit vehicle— it is difficult to overlook such opportunity.

So what is your view on the "one-way-trip-to-Mars" proposal by Mars One?

- **Yes, I feel positive about it:** it may not be successful ultimately but the indirect and other marginal benefits derived from it would justify the support for it.

- **No, I am sceptical about it:** and its (almost certain) failure would tarnish and delay the human spaceflight development.

- **Not Sure:** It is too early to tell.

[Please answer the poll question here.](#)

You can also start an email discussion thread at this topic [here](#).



Image from Mars One

Featured Profile

Company: **Earth2Orbit**

Managing Partners: **Susmita Mohanty (SATC), Amaresh Kollipara**

Description:

Earth2Orbit (E2O) is India's first private space start-up. It is an aerospace consulting firm that provides launch advisory services for international clients, markets earth observation imagery from India's fleet of remote sensing satellites, and consults to aerospace businesses both in India and the United States. E2O has its main offices in Mumbai and San Francisco. It has a satellite presence in Bangalore, Vienna and Osaka. E2O launched it's first client satellite onboard the PSLV in September 2012.

www.earth2orbit.com



Theme of the Month



Melroy, Zamka & Nespoli in their sleeping bags aboard Space Shuttle Discovery (STS-120). Source: [NASA](#)

5 articles can be found within the [spacearchitect.org publication archive](#) by searching under the keyword "sleep*".

Dalton, Maynard (1974 July). [Skylab Experience Bulletin No. 3: Architectural Evaluation for Sleeping Quarters](#) (NASA JSC-09537).

Dalton, Maynard (1974 July). [Skylab Experience Bulletin No. 4: Design Characteristics of the Sleep Restraint](#) (NASA JSC-09538).

Fairburn, Susan M.; Walker, Stuart (2001 July). ['Sleeping With the Stars' – The Design of a Personal Crew Quarter for the International Space Station](#) (SAE 2001-01-2169).

Imhof, Barbara; Hoheneder, Waltraut; Vogel, Kaspar; Drudi, Laura (2012 October). [Sleeping in Zero-g: How the Design of a Sleeping Bag can Support Countermeasuring Fatigue](#) (IAC-12.E5.3.8).

Keener, John F.; Paul, Thomas; Eckhardt, Bradley; Smith, Fredrick (2002 July). [Analysis and Design of Crew Sleep Station for ISS](#) (SAE 2002-01-2303).