

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

News and Announcement

- [SATC]:** *The Orbit* would like to wish you all a Merry Christmas and a Happy New Year!
- [SATC]:** **2012 SATC Best Paper Certificate of Merit:** Results to be announced by end of December.
- [SATC]:** **December 31:** deadline for **statement to reaffirm your SATC Membership.**
- [AIAA Space]:** **January 31:** Abstract submission deadline for AIAA Space 2013 at San Diego, California.
- [IAC]:** **February 21:** Abstract submission deadline for the 64th IAC at Beijing, China.

mailing list highlights:

- [Asteroids - a worthy destination for NASA?](#)
- [Volunteers needed for the SATC volume standards for space habitats.](#)

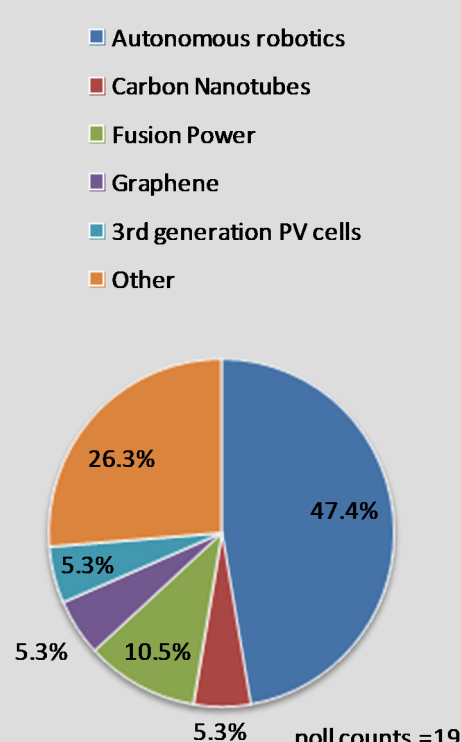
Poll of the Month

November 2012 Poll Results

The poll results suggested that **Autonomous Robotics** (which includes swarm, nano and self-reconfiguring modular robotics) are considered to be the category of emerging technologies that is most likely to drive changes to the discipline of space architecture in a foreseeable future.

Many other emerging technologies have also been mentioned, including advanced composite, advanced propulsion, in-situ manufacturing, synthetic biology, and technologies which led to cheaper and cleaner access to space in general.

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



December 2012 Question:

It's Christmas. If Santa Clause were to grant you one wish of something space architecture related, what would you like it to be?

- a Space Architecture design expo
- a new Space Architecture book (aka "Out of this World 2")
- a comprehensive standard document for Space Architecture
- a Space Architect's pocket book, similar in kind to [this](#).
- a Space Architecture design competition
- Other

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

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



Space Age Santa Claus by Ross Christman
Delhi Records 1961

Theme of the Month



Hailey VI Antarctic Research Station, [Hugh Broughton Architects](#)

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

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Cohen, Marc M. (2012 September). [Mockups 101: Code and Standard Research for Space Habitat Analogues](#) (AIAA 2012-5153).

Davis, Kevin; Di Capua, Massimiliano; Akin, David L.; Salmoiraghi, Amanda (2012 July). [CHELONIA: Development and Manufacturing of an Earth Analog Habitat Evaluation Facility](#) (AIAA 2012-3617).

Deems, Elizabeth C.; Baroff, Lynn E. (2008 September). [A Systems Engineering Process for the Development of Analog Missions for the Vision for Space Exploration](#) (AIAA 2008-7899).

Di Capua, Massimiliano; Akin, David L.; Davis, Kevin (2011 July). [Design, Development, and Testing of an Inflatable Habitat Element for NASA Lunar Analogue Studies](#) (AIAA 2011-5044).

Dudley-Rowley, Marilyn; Nolan, Patrick; Bishop, Sheryl; Farry, Kristin; Gangale, Thomas (2000 August). [Ten Missions, Two Studies: Crew Composition, Time, and Subjective Experience in Mars-Analog Expeditions](#). In R. Zubrin, F. Crossman (Eds.), *On to Mars: Colonizing a New World*.

Howe, A. Scott; Hong, Todd; Hunkins, Bob; Hafermalz, D. Scott; Kennedy, Kriss J.; Toups, Larry (2010 March). [Mobile Field Analog for Lunar Habitat Integrated System Health Monitoring](#). In G. Song, R. B. Malla (Eds.), *Earth and Space 2010: Engineering, Science, Construction, and Operations in Challenging Environments* (p. 1103).

Leclercq, Pierre; Heylighen, Ann (2002). [5.8 Analogies per Hour: A Designer's View on Analogical Reasoning](#). In J. S. Gero (Ed.), *Artificial Intelligence in Design '02* (p. 285-304).

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Rudisill, Marianne; Howard, Robert; Griffin, Brand Norman; Green, Jennifer; Toups, Larry; Kennedy, Kriss (2008 March). [Lunar Architecture Team: Phase 2 Habitat Volume Estimation: 'Caution When Using Analogs.'](#) In W. K. Binienda (Ed.), *Earth & Space 2008: Engineering, Science, Construction, and Operations in Challenging Environments* (p. 1-11).

Stuster, Jack W. (1986 September) [Space Station Habitability Recommendations Based on a Systematic Comparative Analysis of Analogous Conditions](#) (NASA CR-3943).

Toups, Larry; Cadogan, Dave; Scheir, Craig (2009). [Antarctic Habitat Analogue](#). In A. S. Howe, B. Sherwood (Eds.), *Out of This World: The New Field of Space Architecture* (Chapter 26, p. 355-362).