

Beyond Earth? Space & Design Accelerates

In the coming decades, more and more people will experience the effects of weightlessness as the space tourism industry grows, and as plans for Moon and/or Mars colonization progress. New habitats and their entire content will need to be planned, taking into consideration altered gravitational states, with near zero gravity in space or on the Moon, and a reduced surface gravity on Mars of about 38% that of our own planet. Everything that we take for granted when conceiving of ideas and designing for life here on Earth will need to be reconsidered and adapted for a very different reality.

The **Space & Design Workshop** will address the current state of play and knowledge regarding manned space flight and space exploration, examining how astronauts eat, sleep and work during a space mission and how a reduced gravity environment affects astronaut wellbeing. It will further cover future plans for Moon bases, journeys to Mars, missions to nearby asteroids and space tourism, including hotels in orbit around the Earth and space gymnasiums for sports and games. Lastly, the audience will be asked to consider the implications that a reduced gravity environment will have on the design process and to highlight the need for lateral thinking when creating space living environments and habitats.

Come and join in with the experience. Contribute to the next steps between Cumulus, Space, You and Your home institution, and the Next Space Generation.

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