Record Nr. UNINA9910787269003321 Space architecture: the new frontier for design research / / guest-**Titolo** edited by Neil Leach Pubbl/distr/stampa London:,: Wiley,, 2014 **ISBN** 1-118-66329-2 Edizione [3rd ed.] 1 online resource (141 p.) Descrizione fisica Collana Architectural design, , 0003-8504; ; November/December 2014, profile no. 232 725.0919 Disciplina Space (Architecture) Soggetti Architecture, Modern - 21st century Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references. Cover -- Title Page -- Copyright Page -- Table of Contents --Nota di contenuto EDITORIAL -- ABOUT THE GUEST-EDITOR -- INTRODUCTION -- Space Architecture: The New Frontier for Design Research -- What Next for Human Space Flight? -- Planet Moon: The Future of Astronaut Activity and Settlement -- MoonCapital: Life on the Moon 100 Years After Apollo -- Architecture For Other Planets -- Buzz Aldrin: Mission to Mars -- Colonising the Red Planet: Humans to Mars in Our Time --Terrestrial Space Architecture -- Space Tourism: Waiting for Ignition --Alpha: From the International Style to the International Space Station --Being a Space Architect: Astrotecture™ Projects for NASA -- Outside the Terrestrial Sphere Greg Lynn FORM: N.O.A.H. (New Outer Atmospheric Habitat) and New City -- Ground Control: Space Architecture as Defined by Variable Gravity -- Projecting Into Space: International Student Projects -- 3D Printing in Space -- Astronauts Orbiting on Their Stomachs: The Need to Design for the Consumption and Production of Food in Space -- Brave New Worlds: Reaching Towards a New Era of Space Architecture -- Terrestrial Feedback: Reflections on the Space Industry -- COUNTERPOINT -- Space is an Ecology for Living In --CONTRIBUTORS -- EULA.

Forty years on from the first moon landing, architecture in Space is entering a new era. Over the last decade, there has been a fundamental shift in the Space industry from short-term pioneering expeditions to

Sommario/riassunto

long-term planning for colonisation, and new ventures such as Space tourism. Architects are now involved in designing the interiors of longterm habitable structures in Space, such as the International Space Station, researching advanced robotic fabrication technologies for building structures on the Moon and Mars, envisioning new 'space yachts' for the super-rich, and building new facilities, such as the Virgin Galactic 'Spaceport America' in New Mexico designed by Foster + Partners. Meanwhile the mystique of Space remains as alluring as ever, as high-profile designers and educators - such as Greg Lynn - are running designs studios drawing upon ever more inventive computational design techniques. This issue of AD features the most significant current projects underway and highlights key areas of research in Space, such as energy, materials, manufacture and robotics. It also looks at how this research and investment in new technologies might transfer to terrestrial design and construction. Space architects: Constance Adams, Marc Cohen, Ondrei Doule, Sandra Hauplik-Meusburger, Scott Howe, Brent Sherwood, Madhu Thangavelu, Andreas Vogler, Robert Zubrin. Architects: Bevk Perovic Arhitekti, Dekleva Gregoric Arhitekti, Foster + Partners, Neil Leach, Greg Lynn, OFIS architects, SADAR + VUGA.