

ARCHISPACE International Seminar | Architecture in Space

16 & 17 July 2026

July 16 | Day 1

09h00 – Opening

Fernando Ramos, Rector of Portugalense University
Mariana Correia, Director of DAMG & Coordinator of ArchiSpace-UPT
João Pedro Costa, Director of CIAUD
Mónica Alcindor, Director of CIAUD-UPT
Gian Gabriele Ori, IRSPS & Coordinator of ArchiSpace

Keynote Speaker

09h30 – European Ambition for Space Exploration

Ricardo Conde, President of Portuguese Space Agency (*Portugal*)
Questions

Session 1: ARCHISPACE Project

10h15 – ArchiSpace Project: Space Architecture Design and Prototyping in Planetary Analogue Environments

Gian Gabriele, IRSPS (*Italy*)

10h45 – Exploring ArchiSpace-UPT: Earthen Architecture in Space

Mariana Correia, UPT (*Portugal*)

11h15 – Questions

11h30 – Coffee break

12h00 – Report on Living in Extreme Environments

Susana Milão, Rui Florentino, UPT (*Portugal*)

12h30 – Guidelines on Psychological Adaptation to Extreme Environments

Alexandra Araújo, Sandra Fernandes, UPT (*Portugal*)

13h00 – Questions & Debate

13h30 – Lunch

15h00 – Space Architecture – Habitat Design Aspects and Trends

Henriette Bier, TU Delft (*The Netherlands*)

15h30 – Designing and prototyping extraterrestrial habitat

Andreu Corominas, UPC (*Spain*)

16h00 – In-situ material composition and use

Abdelaziz Baçaoui, Kamal Taj-Eddine, UCAM (*Morocco*)

16h30 – Presentation of Routledge Book outline: 'Earthen Architecture in Space'

Mariana Correia, Telma Ribeiro, Susana Milão, UPT (*Portugal*)
Giuseppe Calabrese, IRSPS (*Italy*)

17h00 – Questions & Debate

17h30 – Coffee break

Keynote Speaker

09h15 – Adventures of an Interplanetary Architect

Xavier de Kestelier, Hassell Company (*United Kingdom*)
Questions

Session 2: Architecture in Space

10h00 – **Advancements in AI and Robotics Applications for Space Architecture and Beyond**
Henriette Bier, TU Delft (*The Netherlands*)

10h20 – **3D Printing with Earth: Contribution for Architecture in Space**

Joaquim Flores, Isabel Clara Noves, UPT (*Portugal*)
Andreu Corominas, Ignasi Casanova, UPC (*Spain*)

10h40 – **NASA habitats for Mars**

José Pinto Duarte, Penn State Univ. (*USA*)

11h00 – *Questions*

11h15 – *Coffee break*

Session 3 | ARCHISPACE Ongoing Transversal Research

11h30 – **Lessons learned from Ancient Settlements in Extreme Environments**
Giuseppe Calabrese, IRSPS (*Italy*)

11h45 – **Case Studies Analysis of Earthen Architecture for Off-Earth Habitats**
Telma Ribeiro, UPT (*Portugal*)

12h00 – **Digital and Immersive experiences for Space Habitat**

Emília Simão, Ivo Teixeira, Alexandre Clément, UPT (*Portugal*)
Giuseppe Calabrese, UPT (*Portugal*)

12h15 – *Questions*

12h30 – **Round-Table discussion on Architecture in Space**

Moderator: João Pedro Costa, CIAUD (*Portugal*)

Xavier de Kestelier (*UK*), Henriette Bier (*The Netherlands*),
Andreu Corominas (*Spain*), Giuseppe Calabrese (*Italy*), Susana Milão (*Portugal*)

13h30 – **Closure**

Jorge Leite, Vice-Rector for Research at UPT
Mariana Correia, Director of DAMG & Coordinator of ArchiSpace-UPT
Gian Gabriele Ori, Director of IRSPS & General Coordinator of ArchiSpace Project

Organizing Committee:

Mariana Correia, Henriette Bier, Telma Ribeiro,
Susana Milão, Giuseppe Calabrese, Isabel Clara Neves.