

# **Interstellar Exploration**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Interstellar Communication

*Thursday, 20 June 2019 10:00 (20 minutes)*

**Primary author:** HIPPE, Michael (Gentleman Scientist)

**Presenter:** HIPPE, Michael (Gentleman Scientist)

**Session Classification:** Input session: Technologies

Contribution ID: 2

Type: **not specified**

## **Fusion Propulsion Technology for Interstellar Missions**

*Thursday, 20 June 2019 10:20 (20 minutes)*

**Primary author:** SWINNEY, Rob (Initiative for Interstellar Studies)

**Presenter:** SWINNEY, Rob (Initiative for Interstellar Studies)

**Session Classification:** Input session: Technologies

Contribution ID: 3

Type: **not specified**

## **A Pragmatic Interstellar Probe in the 2030s**

*Thursday, 20 June 2019 10:40 (20 minutes)*

**Primary author:** BRANDT, Pontus (The Johns Hopkins University - Applied Physics Laboratory)

**Presenter:** BRANDT, Pontus (The Johns Hopkins University - Applied Physics Laboratory)

**Session Classification:** Input session: Technologies

Contribution ID: 4

Type: **not specified**

## **Philosophical Aspects of Interstellar Exploration**

*Thursday, 20 June 2019 11:00 (20 minutes)*

**Primary author:** WALTEMATHE, Michael (Ruhr Uni Bochum)

**Presenter:** WALTEMATHE, Michael (Ruhr Uni Bochum)

**Session Classification:** Input session: Technologies

Contribution ID: 5

Type: **not specified**

## Photon Propulsion

*Thursday, 20 June 2019 11:20 (20 minutes)*

**Primary author:** LUBIN, Philip (UC Santa Barbara - Experimental Cosmology Group)

**Presenter:** LUBIN, Philip (UC Santa Barbara - Experimental Cosmology Group)

**Session Classification:** Input session: Technologies

Contribution ID: 6

Type: **not specified**

## World Ships

*Thursday, 20 June 2019 14:00 (20 minutes)*

**Primary author:** HEIN, Andreas (Institute for Interstellar Studies)

**Presenter:** HEIN, Andreas (Institute for Interstellar Studies)

**Session Classification:** Input session: World ships

Contribution ID: 7

Type: **not specified**

## **Evolving Spacecraft**

*Thursday, 20 June 2019 14:20 (20 minutes)*

**Primary author:** VERMEULEN, Angelo (TU Delft)

**Presenter:** VERMEULEN, Angelo (TU Delft)

**Session Classification:** Input session: World ships



Contribution ID: 8

Type: **not specified**

## **Language Development on Generation Ships**

*Thursday, 20 June 2019 14:40 (20 minutes)*

**Primary author:** PUNSKE, Jeffrey (Southern Illinois University)

**Presenter:** PUNSKE, Jeffrey (Southern Illinois University)

**Session Classification:** Input session: World ships

Contribution ID: 9

Type: **not specified**

## **Sociology of Human Interstellar Exploration**

*Thursday, 20 June 2019 15:00 (20 minutes)*

**Primary author:** HEMMINGER, Elke (EVH Bochum)

**Presenter:** HEMMINGER, Elke (EVH Bochum)

**Session Classification:** Input session: World ships

Contribution ID: **10**

Type: **not specified**

## **The Absurdly Complex Problem of Galaxy Colonization - GTOCX**

*Thursday, 20 June 2019 15:20 (20 minutes)*

**Presenter:** TEAM, Advanced Concepts (ESTEC)

**Session Classification:** Input session: World ships

Contribution ID: 11

Type: **not specified**

## **Human Factors and Habitability**

*Friday, 21 June 2019 09:30 (20 minutes)*

**Primary author:** HÄUPLIK-MEUSBURGER, Sandra (Vienna University of Technology)

**Presenter:** HÄUPLIK-MEUSBURGER, Sandra (Vienna University of Technology)

**Session Classification:** Input session: Sustaining Health

Contribution ID: **12**

Type: **not specified**

## **Artificial Gravity**

*Friday, 21 June 2019 09:50 (20 minutes)*

**Primary author:** HALL, Theodore (University of Michigan)

**Presenter:** HALL, Theodore (University of Michigan)

**Session Classification:** Input session: Sustaining Health

Contribution ID: 13

Type: **not specified**

## Hibernation

*Friday, 21 June 2019 10:10 (20 minutes)*

**Primary author:** BEREITER-HAHN, Jürgen (Goethe Universität Frankfurt am Main)

**Presenter:** BEREITER-HAHN, Jürgen (Goethe Universität Frankfurt am Main)

**Session Classification:** Input session: Sustaining Health

Contribution ID: 14

Type: **not specified**

## **Closed Loop Life Support**

*Friday, 21 June 2019 14:00 (20 minutes)*

**Primary author:** VOLPONI, Marco (ESA-ESTEC)

**Presenter:** VOLPONI, Marco (ESA-ESTEC)

**Session Classification:** Input session: Sustaining Life

Contribution ID: 15

Type: **not specified**

## **Cultivation Systems for Long Duration Human Spaceflight**

*Friday, 21 June 2019 14:20 (20 minutes)*

**Primary author:** MEDINA, Javier (Centro de Investigaciones Biológicas - CSIC)

**Presenter:** MEDINA, Javier (Centro de Investigaciones Biológicas - CSIC)

**Session Classification:** Input session: Sustaining Life



Contribution ID: 16

Type: **not specified**

## **Self-Healing Materials**

*Friday, 21 June 2019 14:40 (20 minutes)*

**Primary author:** LAFONT, Ugo (ESA ESTEC)

**Presenter:** LAFONT, Ugo (ESA ESTEC)

**Session Classification:** Input session: Sustaining Life